



**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: ALEN #707	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/01/12/
Temp.( C)/Hum.(%) 26 C / 60 %	Time: 8/41/59
EUT: MIRABOX	Engineer Signature:
Mode: TX 2452MHz(802.11n)(40MHz)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	40.2995	17.89	14.54	32.43	40.00	-7.57	QP			
2	105.1667	22.98	13.93	36.91	43.50	-6.59	QP			
3	131.2235	20.86	12.85	33.71	43.50	-9.79	QP			



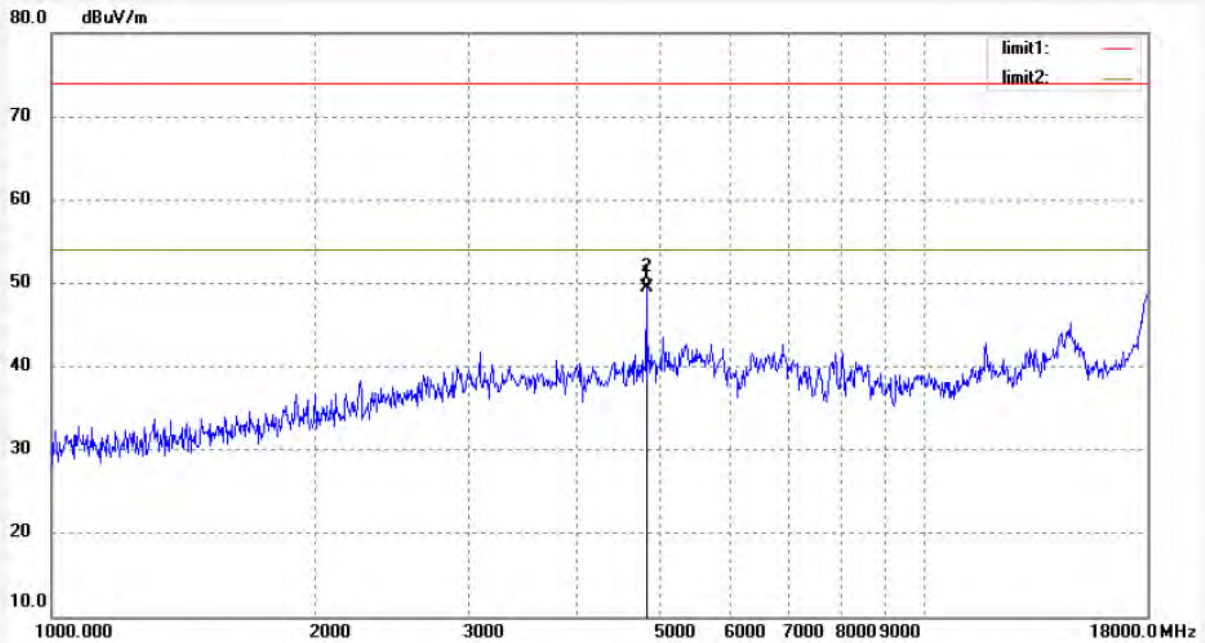
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: ALEN #733	Polarization: Vertical
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/6/
Temp.( C)/Hum.(%) 26 C / 60 %	Time: 9/07/19
EUT: MIRABOX	Engineer Signature:
Mode: TX 2412MHz(802.11b)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4824.000	49.76	-0.31	49.45	74.00	-24.55	peak			
2	4824.000	49.76	-0.31	49.45	54.00	-4.55	AVG			



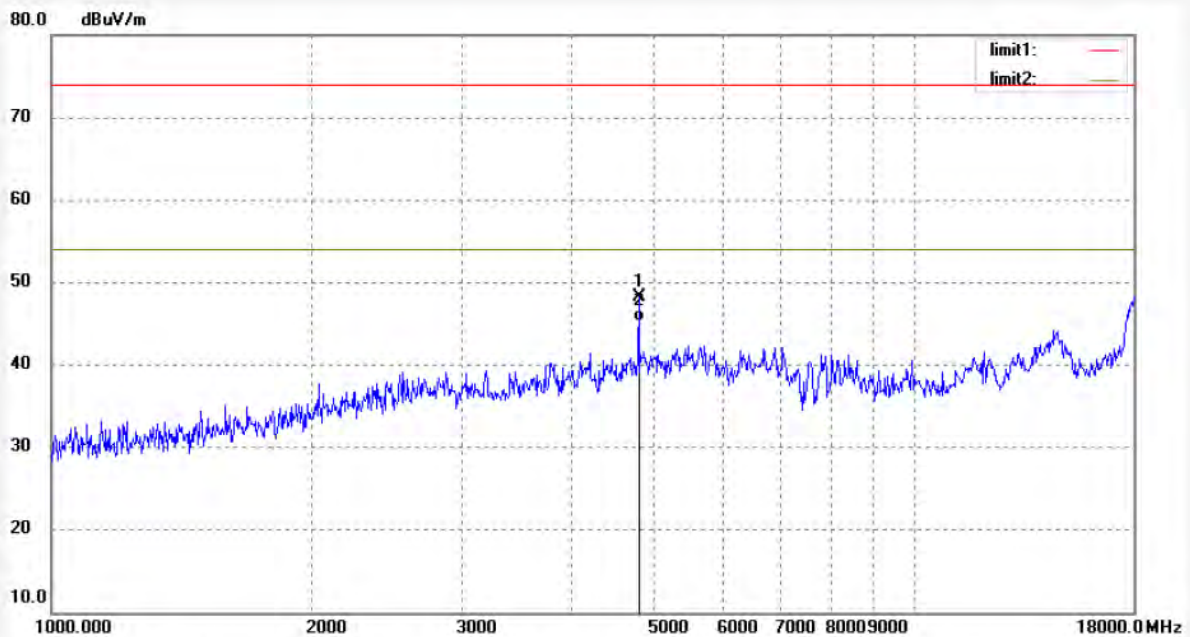
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Site: 2# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: ALEN #734	Polarization: Horizontal
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/6/
Temp.( C)/Hum.(%) 26 C / 60 %	Time: 9/07/38
EUT: MIRABOX	Engineer Signature:
Mode: TX 2412MHz(802.11b)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4824.000	48.49	-0.31	48.18	74.00	-25.82	peak			
2	4824.000	45.61	-0.31	45.30	54.00	-8.70	AVG			





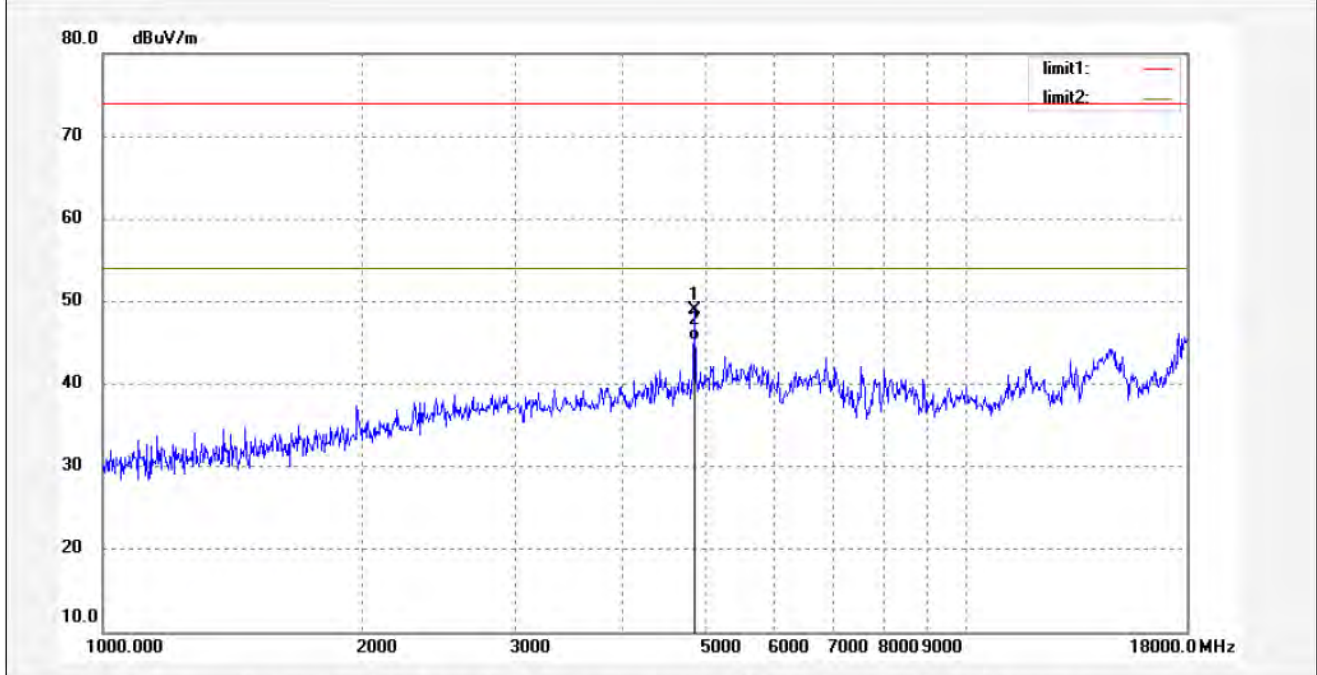
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: ALEN #735	Polarization: Vertical
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/6/
Temp.( C)/Hum.(%) 26 C / 60 %	Time: 9/08/01
EUT: MIRABOX	Engineer Signature:
Mode: TX 2437MHz(802.11b)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4874.000	48.94	-0.08	48.86	74.00	-25.14	peak			
2	4874.000	45.36	-0.08	45.28	54.00	-8.72	AVG			



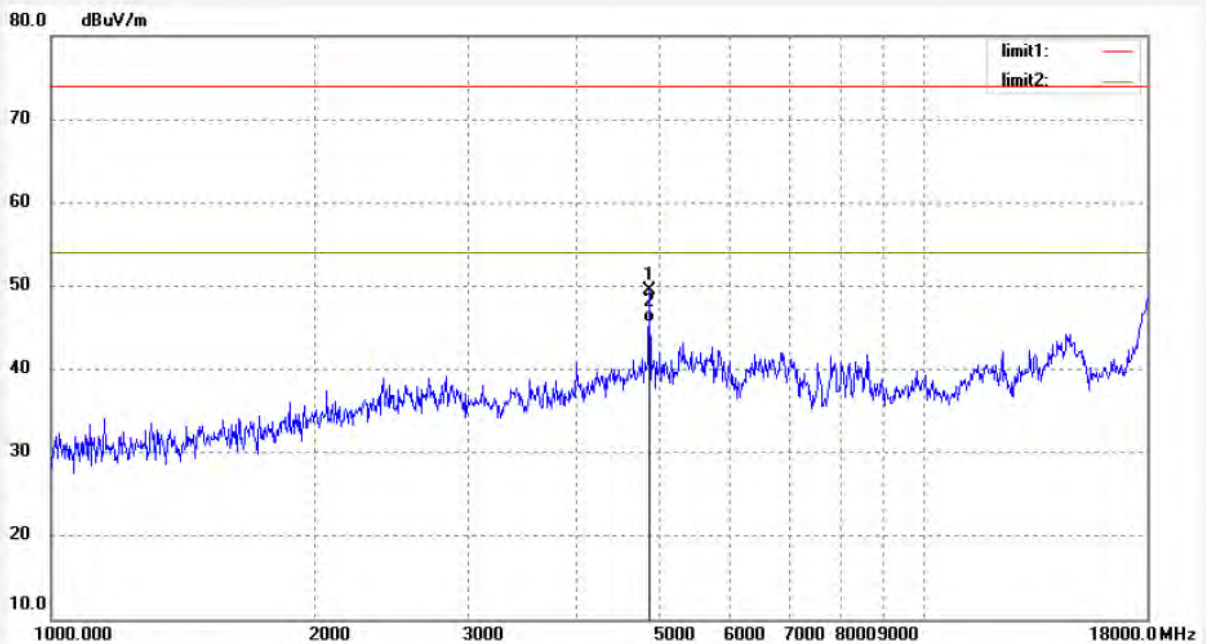
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: ALEN #736	Polarization: Horizontal
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/6/
Temp.( C)/Hum.(%) 26 C / 60 %	Time: 9/08/28
EUT: MIRABOX	Engineer Signature:
Mode: TX 2437MHz(802.11b)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4874.000	49.56	-0.08	49.48	74.00	-24.52	peak			
2	4874.000	45.69	-0.08	45.61	54.00	-8.39	AVG			



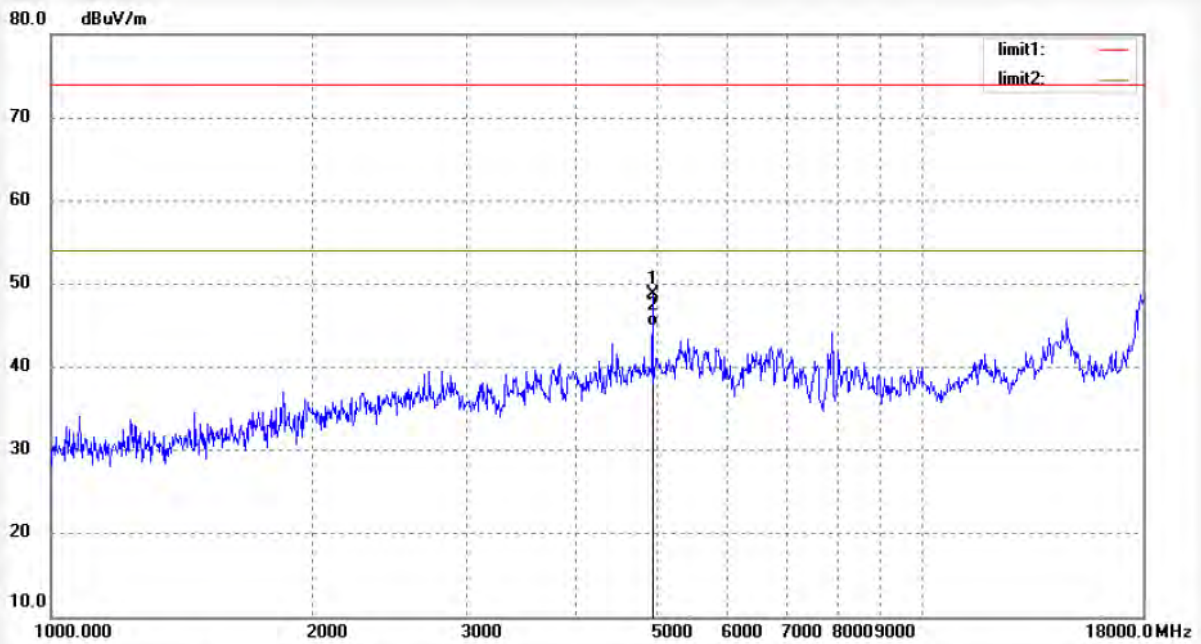
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Site: 2# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: ALEN #737	Polarization: Vertical
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/6/
Temp.( C)/Hum.(%) 26 C / 60 %	Time: 9/08/43
EUT: MIRABOX	Engineer Signature:
Mode: TX 2462MHz(802.11b)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4924.000	48.54	0.30	48.84	74.00	-25.16	peak			
2	4924.000	44.68	0.30	44.98	54.00	-9.02	AVG			





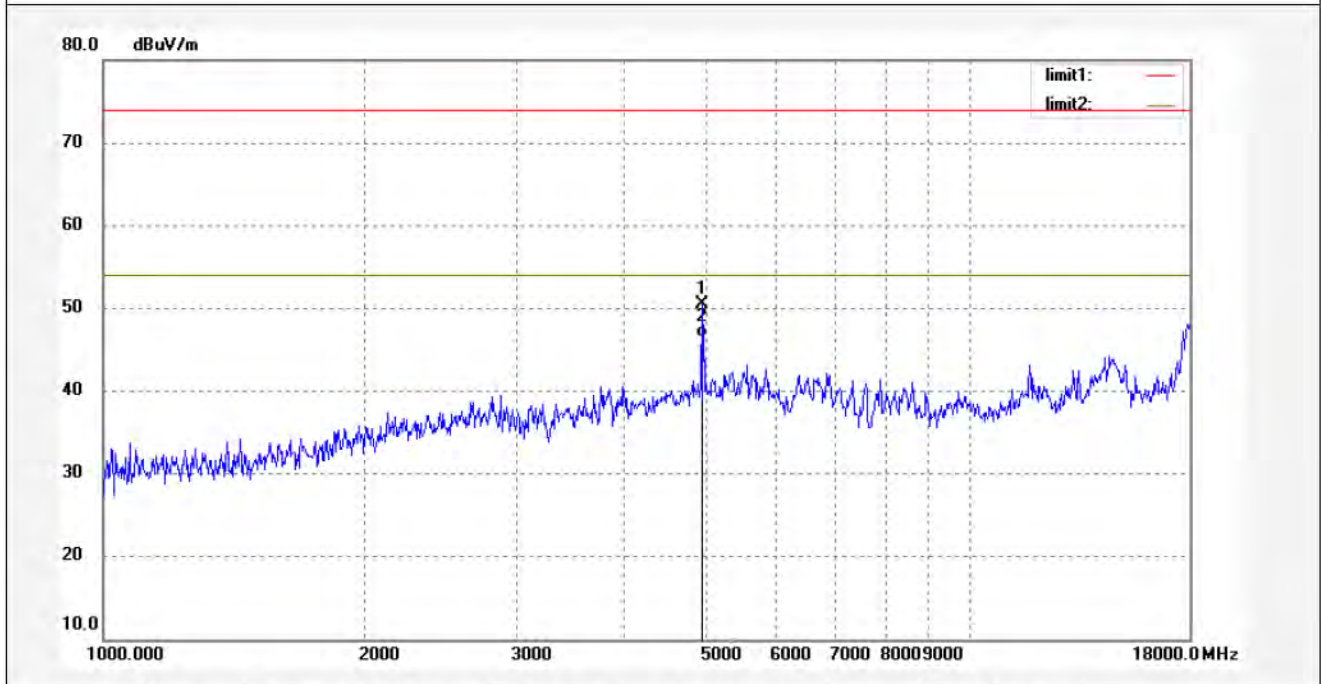
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Site: 2# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: ALEN #738	Polarization: Horizontal
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/6/
Temp.( C)/Hum.(%) 26 C / 60 %	Time: 9/09/03
EUT: MIRABOX	Engineer Signature:
Mode: TX 2462MHz(802.11b)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4924.000	50.26	0.30	50.56	74.00	-23.44	peak			
2	4924.000	46.21	0.30	46.51	54.00	-7.49	AVG			



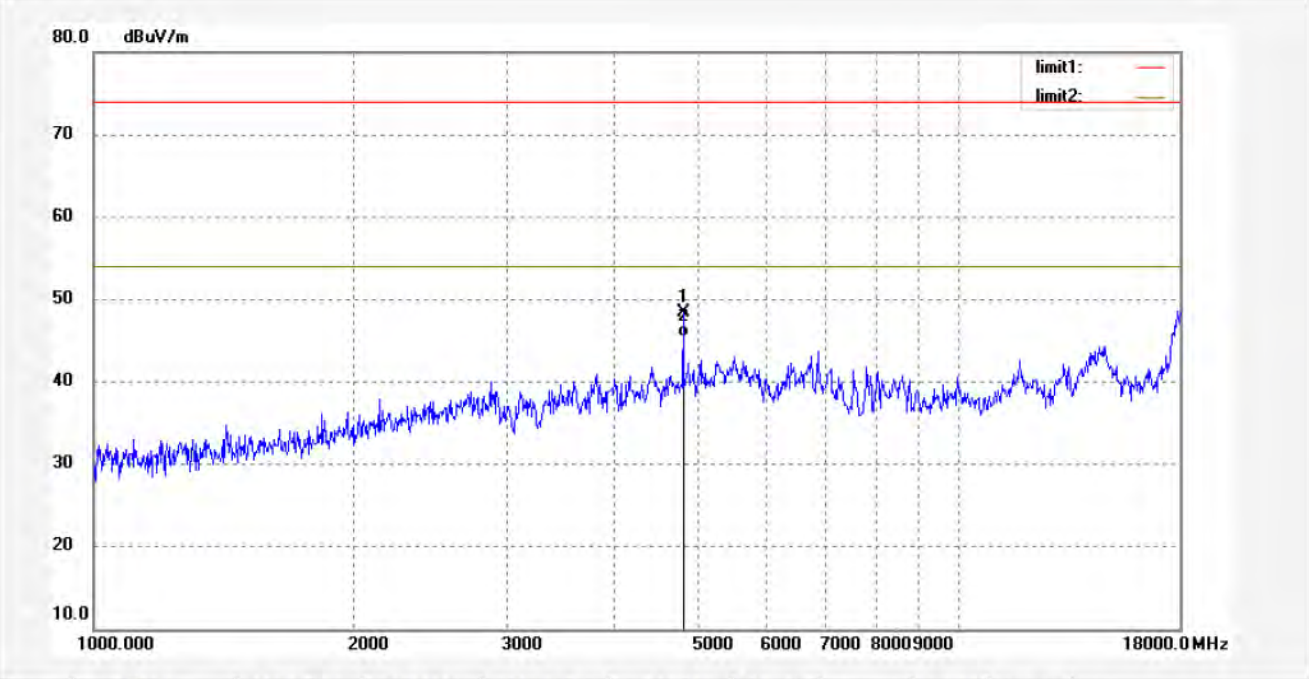
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Site: 2# Chamber  
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Fax:+86-0755-26503396

Job No.: ALEN #731	Polarization: Horizontal
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/6/
Temp.( C)/Hum.(%) 26 C / 60 %	Time: 9/06/37
EUT: MIRABOX	Engineer Signature:
Mode: TX 2412MHz(802.11g)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4824.000	48.80	-0.31	48.49	74.00	-25.51	peak			
2	4824.000	45.80	-0.31	45.49	54.00	-8.51	AVG			





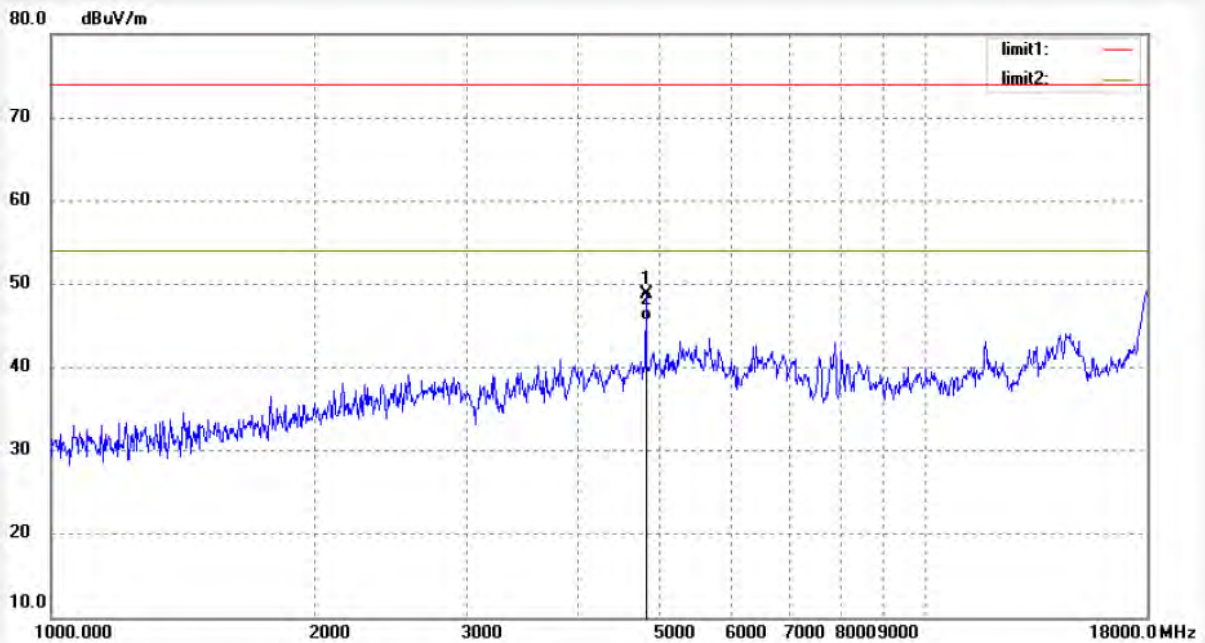
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: ALEN #732	Polarization: Vertical
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/6/
Temp.( C)/Hum.(%) 26 C / 60 %	Time: 9/06/57
EUT: MIRABOX	Engineer Signature:
Mode: TX 2412MHz(802.11g)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4824.000	49.07	-0.31	48.76	74.00	-25.24	peak			
2	4824.000	45.89	-0.31	45.58	54.00	-8.42	AVG			



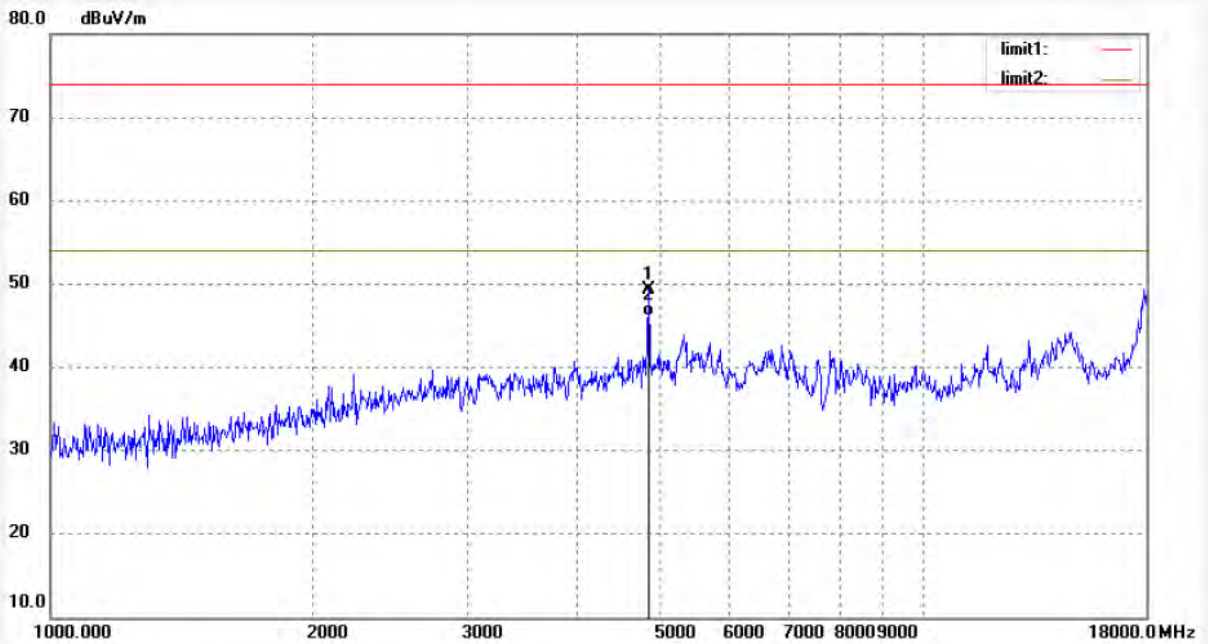
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Site: 2# Chamber  
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Job No.: ALEN #730	Polarization: Vertical
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/6/
Temp.( C)/Hum.(%) 26 C / 60 %	Time: 9/06/13
EUT: MIRABOX	Engineer Signature:
Mode: TX 2437MHz(802.11g)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4874.000	49.33	-0.08	49.25	74.00	-24.75	peak			
2	4874.000	46.25	-0.08	46.17	54.00	-7.83	AVG			



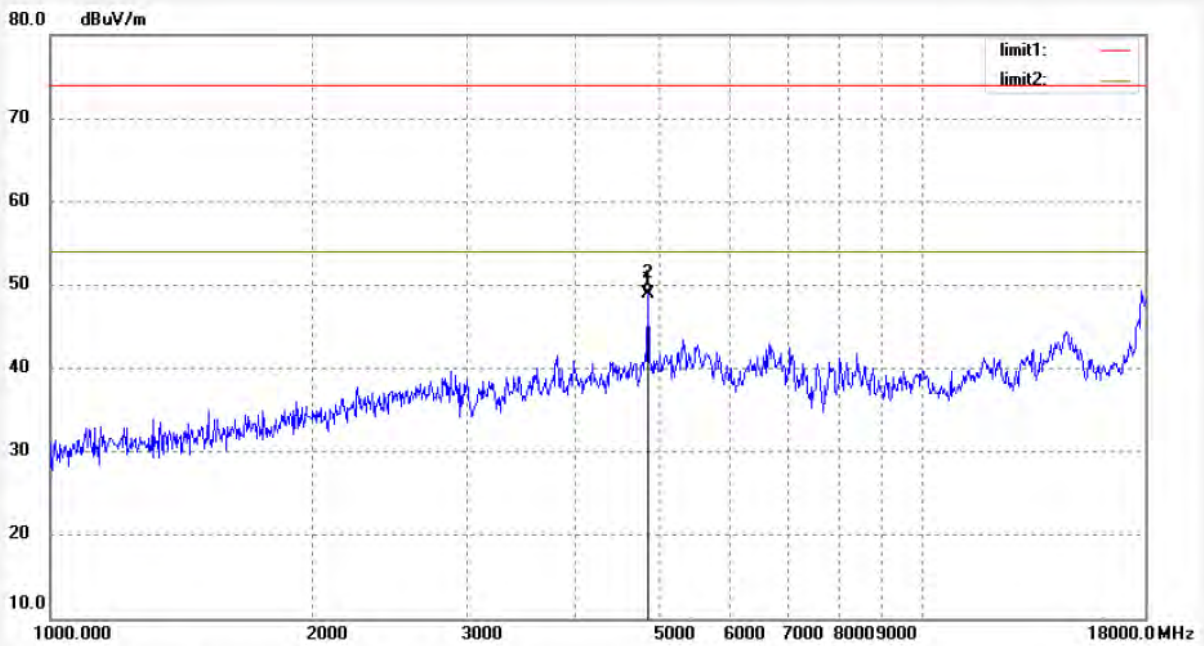
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Site: 2# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: ALEN #729	Polarization: Horizontal
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/6/
Temp.( C)/Hum.(%) 26 C / 60 %	Time: 9/05/51
EUT: MIRABOX	Engineer Signature:
Mode: TX 2437MHz(802.11g)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4874.000	48.94	-0.08	48.86	74.00	-25.14	peak			
2	4874.000	48.94	-0.08	48.86	54.00	-5.14	AVG			





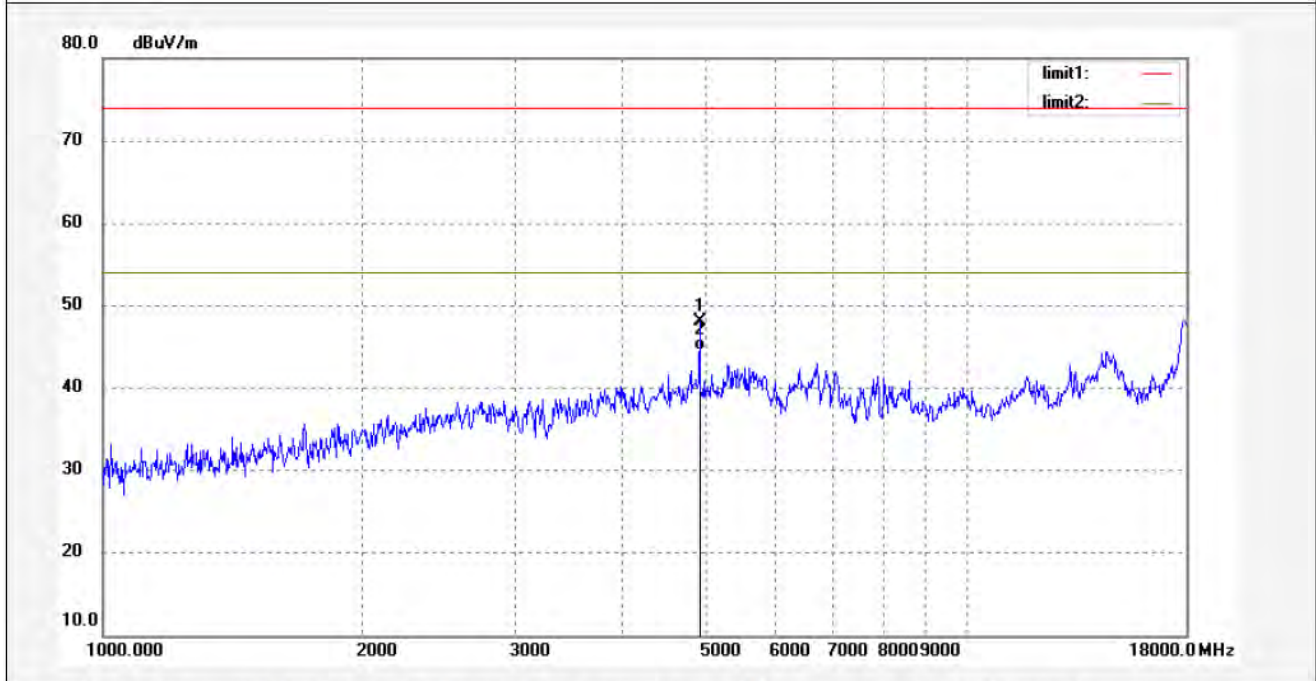
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: ALEN #728	Polarization: Horizontal
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/6/
Temp.( C)/Hum.(%) 26 C / 60 %	Time: 9/05/32
EUT: MIRABOX	Engineer Signature:
Mode: TX 2462MHz(802.11g)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4924.000	47.74	0.30	48.04	74.00	-25.96	peak			
2	4924.000	44.25	0.30	44.55	54.00	-9.45	AVG			



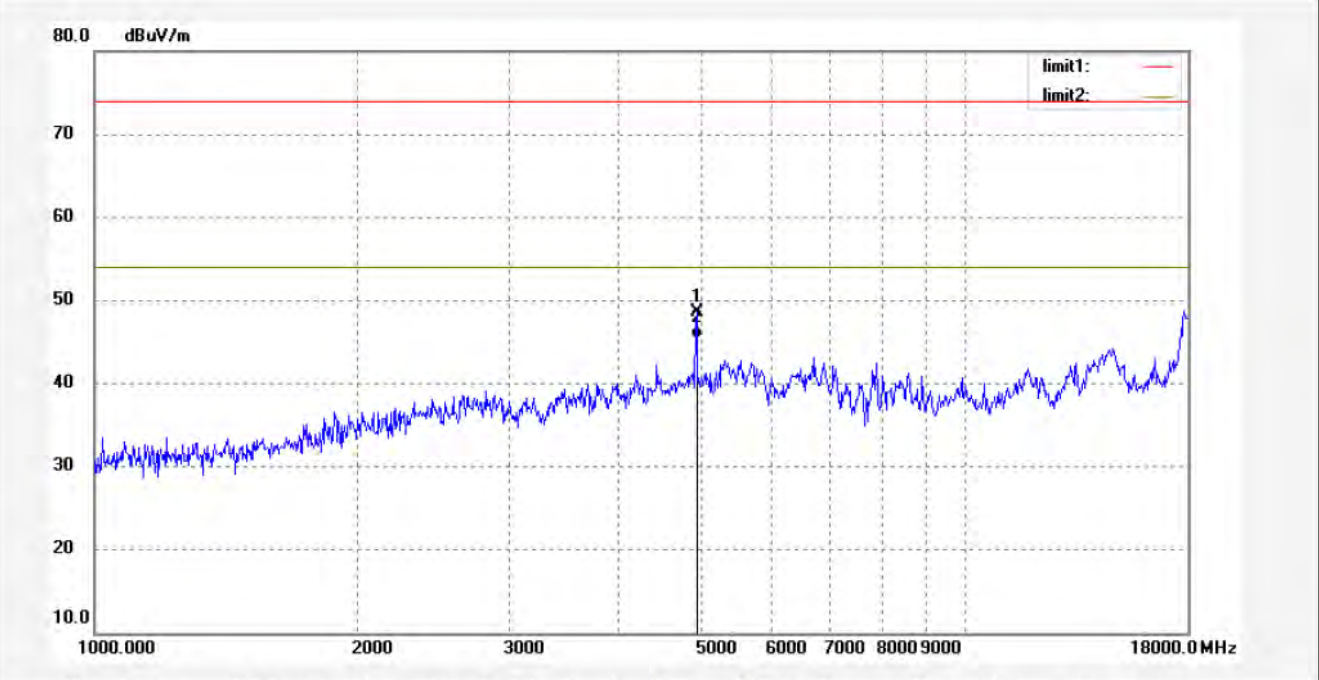
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: ALEN #727	Polarization: Vertical
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/6/
Temp.( C)/Hum.(%) 26 C / 60 %	Time: 9/05/17
EUT: MIRABOX	Engineer Signature:
Mode: TX 2462MHz(802.11g)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4924.000	48.21	0.30	48.51	74.00	-25.49	peak			
2	4924.000	45.19	0.30	45.49	54.00	-8.51	AVG			



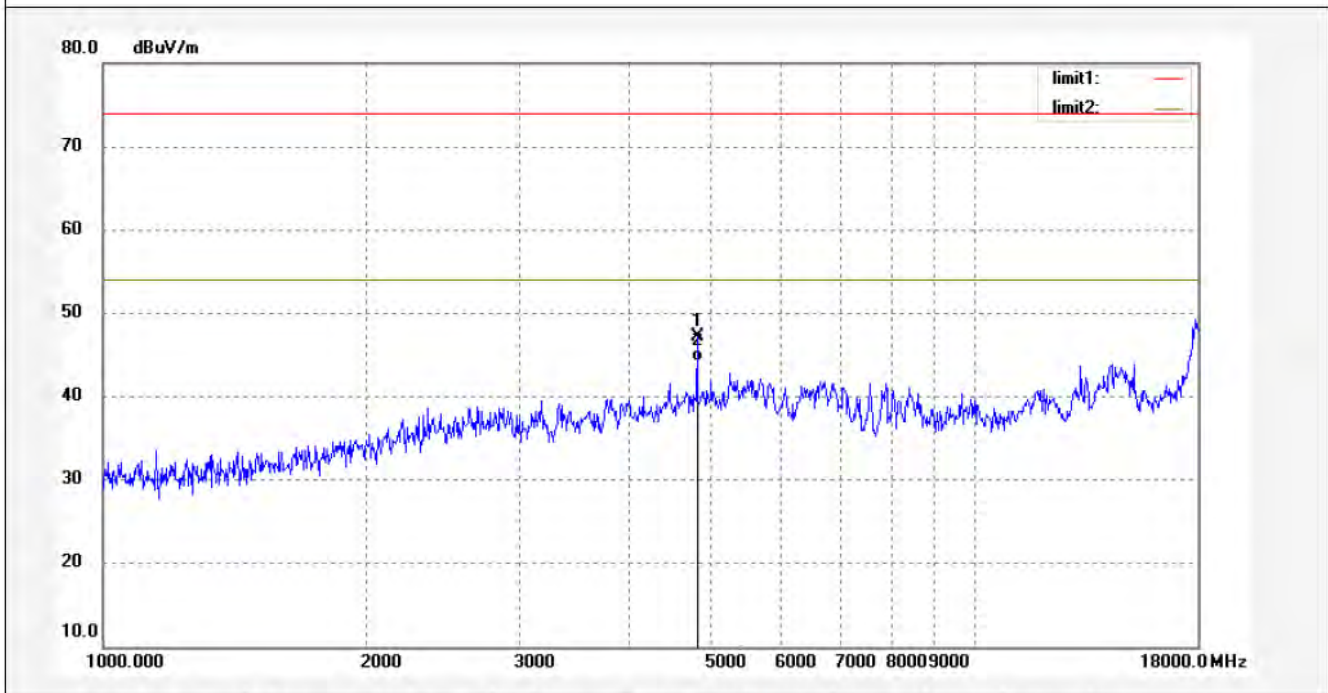
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: ALEN #726	Polarization: Vertical
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/6/
Temp.( C)/Hum.(%) 26 C / 60 %	Time: 9/04/53
EUT: MIRABOX	Engineer Signature:
Mode: TX 2412MHz(802.11n)(20MHz)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4824.000	47.53	-0.31	47.22	74.00	-26.78	peak			
2	4824.000	44.54	-0.31	44.23	54.00	-9.77	AVG			





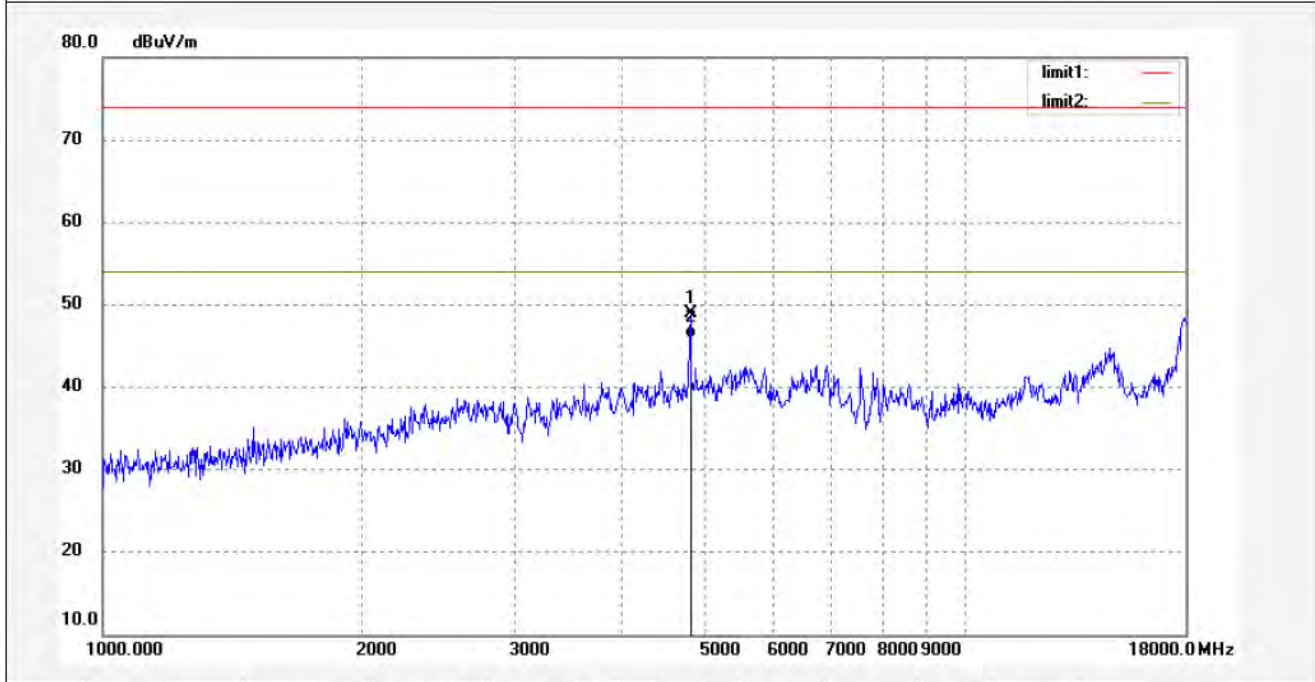
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: ALEN #725	Polarization: Horizontal
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/6/
Temp.( C)/Hum.(%) 26 C / 60 %	Time: 9/04/30
EUT: MIRABOX	Engineer Signature:
Mode: TX 2412MHz(802.11n)(20MHz)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4824.000	49.26	-0.31	48.95	74.00	-25.05	peak			
2	4824.000	46.35	-0.31	46.04	54.00	-7.96	AVG			



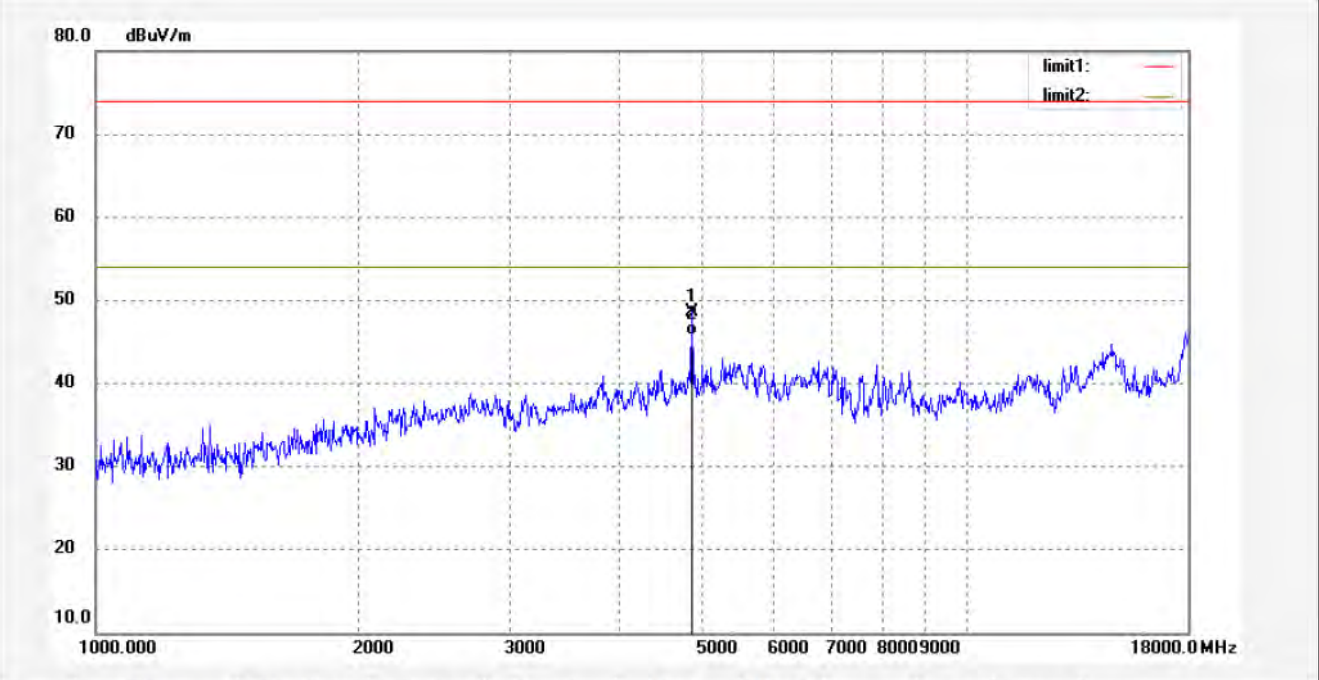
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F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: ALEN #724	Polarization: Vertical
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/6/
Temp.( C)/Hum.(%) 26 C / 60 %	Time: 9/04/08
EUT: MIRABOX	Engineer Signature:
Mode: TX 2437MHz(802.11n)(20MHz)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4874.000	48.66	-0.08	48.58	74.00	-25.42	peak			
2	4874.000	45.87	-0.08	45.79	54.00	-8.21	AVG			



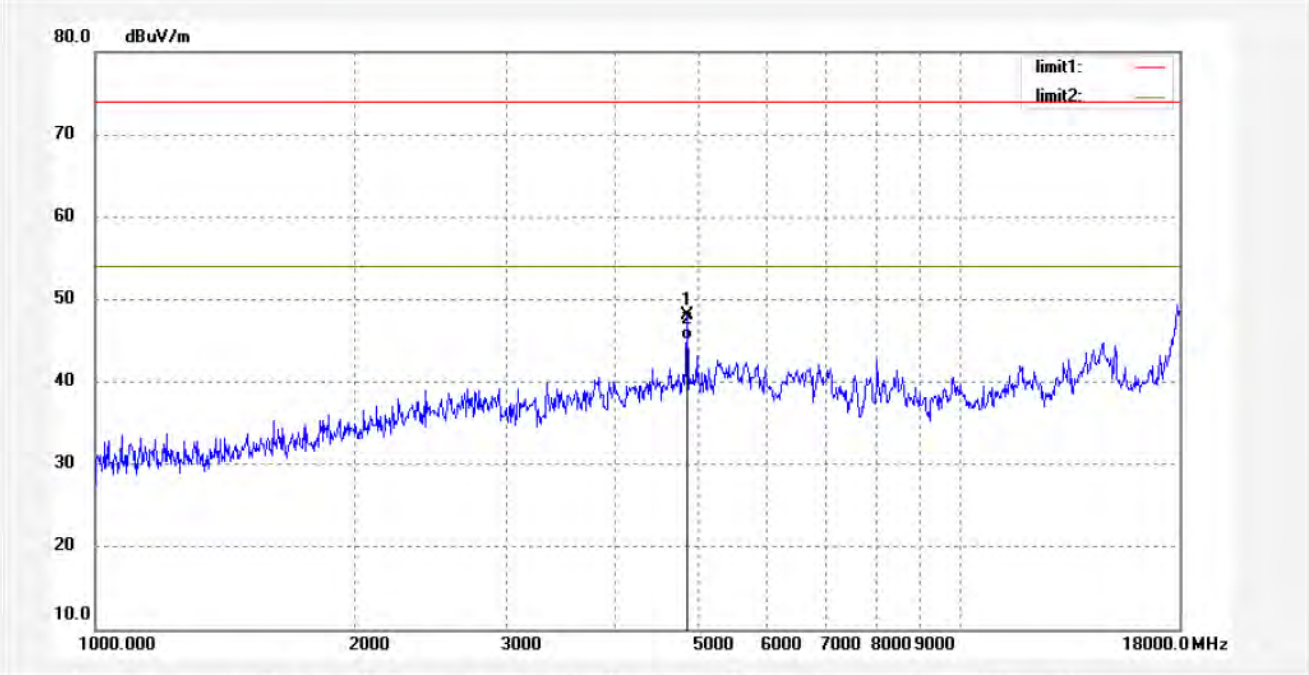
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Site: 2# Chamber  
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Job No.: ALEN #723	Polarization: Horizontal
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/6/
Temp.( C)/Hum.(%) 26 C / 60 %	Time: 9/03/39
EUT: MIRABOX	Engineer Signature:
Mode: TX 2437MHz(802.11n)(20MHz)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4874.000	48.23	-0.08	48.15	74.00	-25.85	peak			
2	4874.000	45.24	-0.08	45.16	54.00	-8.84	AVG			





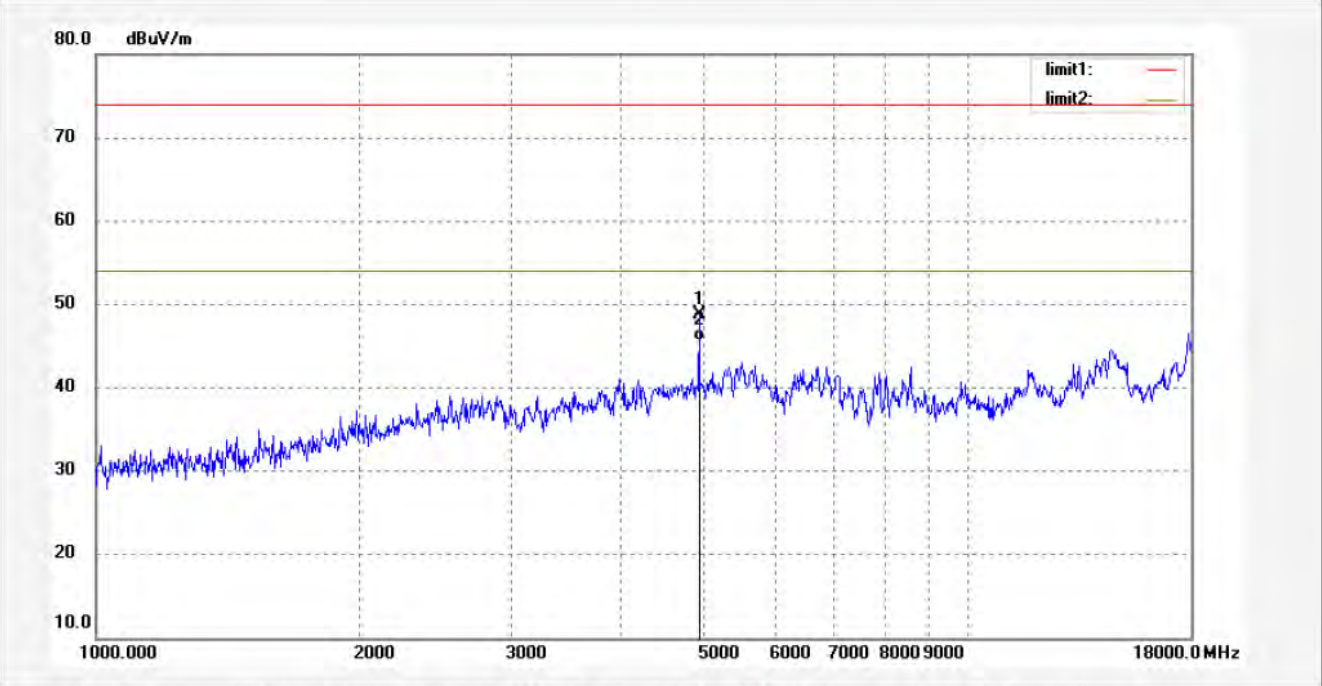
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Site: 2# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: ALEN #722	Polarization: Horizontal
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/6/
Temp.( C)/Hum.(%) 26 C / 60 %	Time: 9/03/20
EUT: MIRABOX	Engineer Signature:
Mode: TX 2462MHz(802.11n)(20MHz)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4924.000	48.41	0.30	48.71	74.00	-25.29	peak			
2	4924.000	45.36	0.30	45.66	54.00	-8.34	AVG			



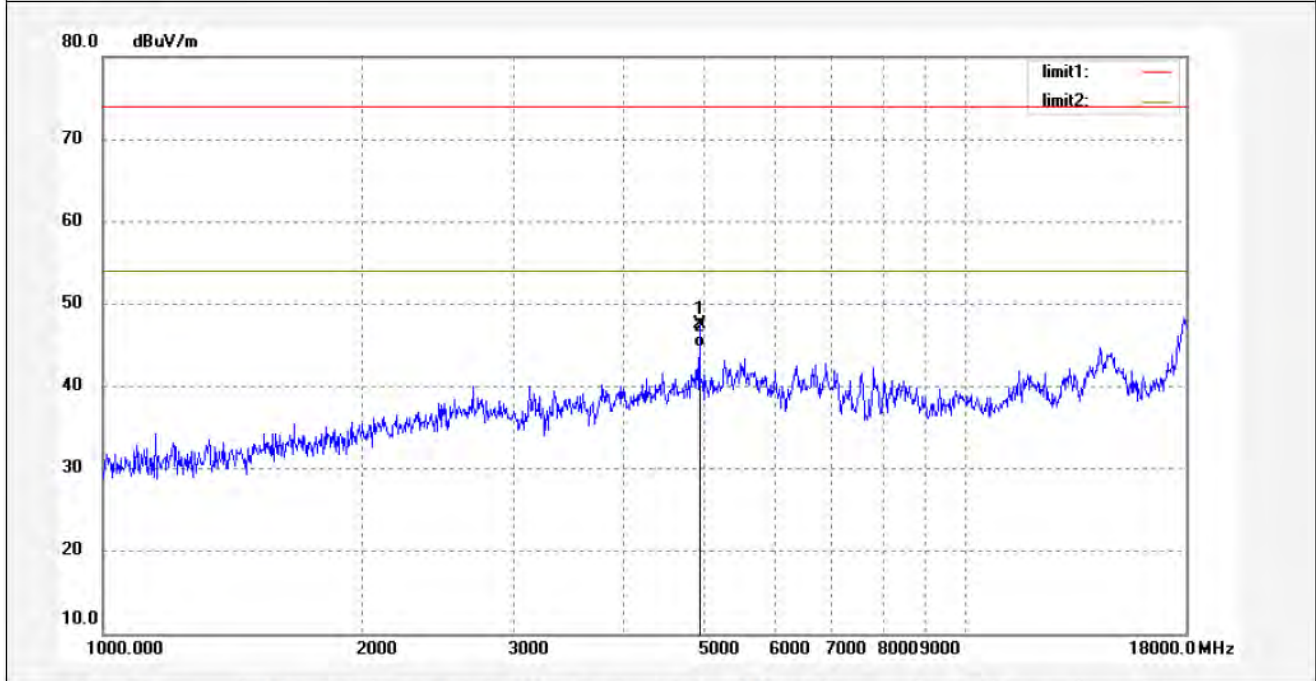
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F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: ALEN #721	Polarization: Vertical
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/6/
Temp.( C)/Hum.(%) 26 C / 60 %	Time: 8/59/50
EUT: MIRABOX	Engineer Signature:
Mode: TX 2462MHz(802.11n)(20MHz)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4924.000	47.23	0.30	47.53	74.00	-26.47	peak			
2	4924.000	44.36	0.30	44.66	54.00	-9.34	AVG			



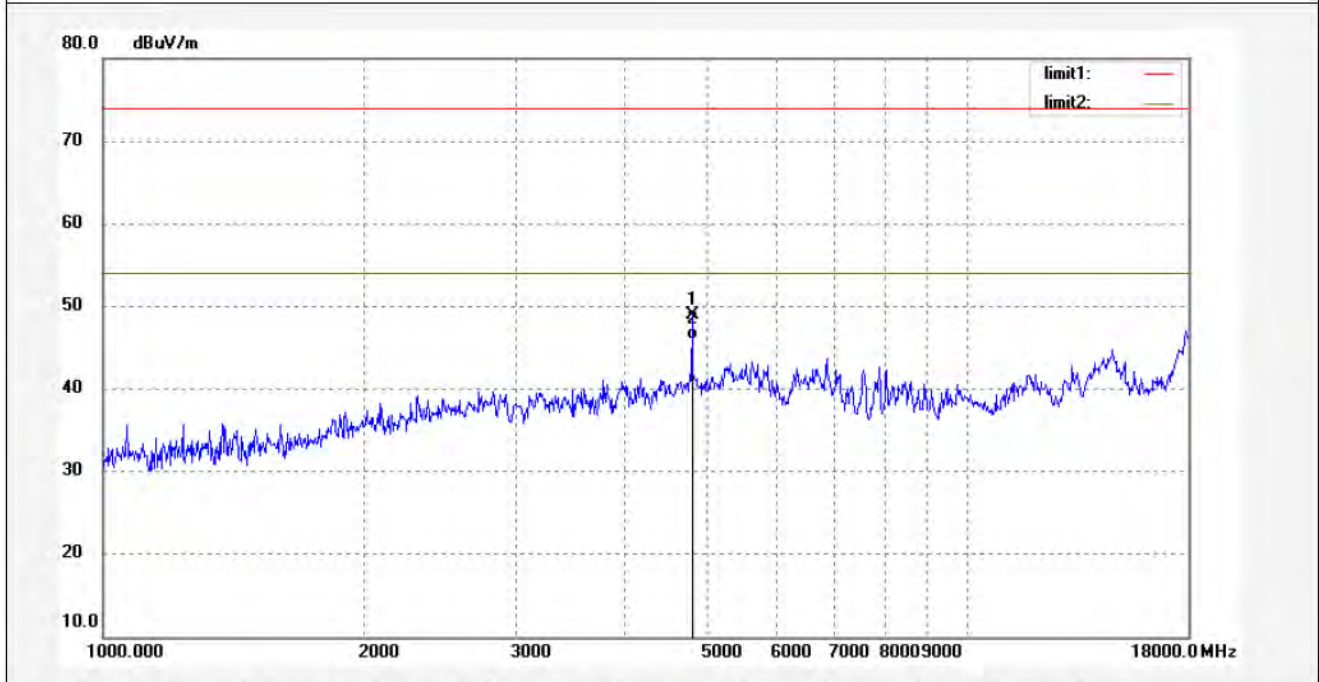
**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: ALEN #715	Polarization: Horizontal
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/6/
Temp.( C)/Hum.(%) 26 C / 60 %	Time: 8/57/31
EUT: MIRABOX	Engineer Signature:
Mode: TX 2422MHz(802.11n)(40MHz)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4844.000	49.31	-0.31	49.00	74.00	-25.00	peak			
2	4844.000	46.35	-0.31	46.04	54.00	-7.96	AVG			





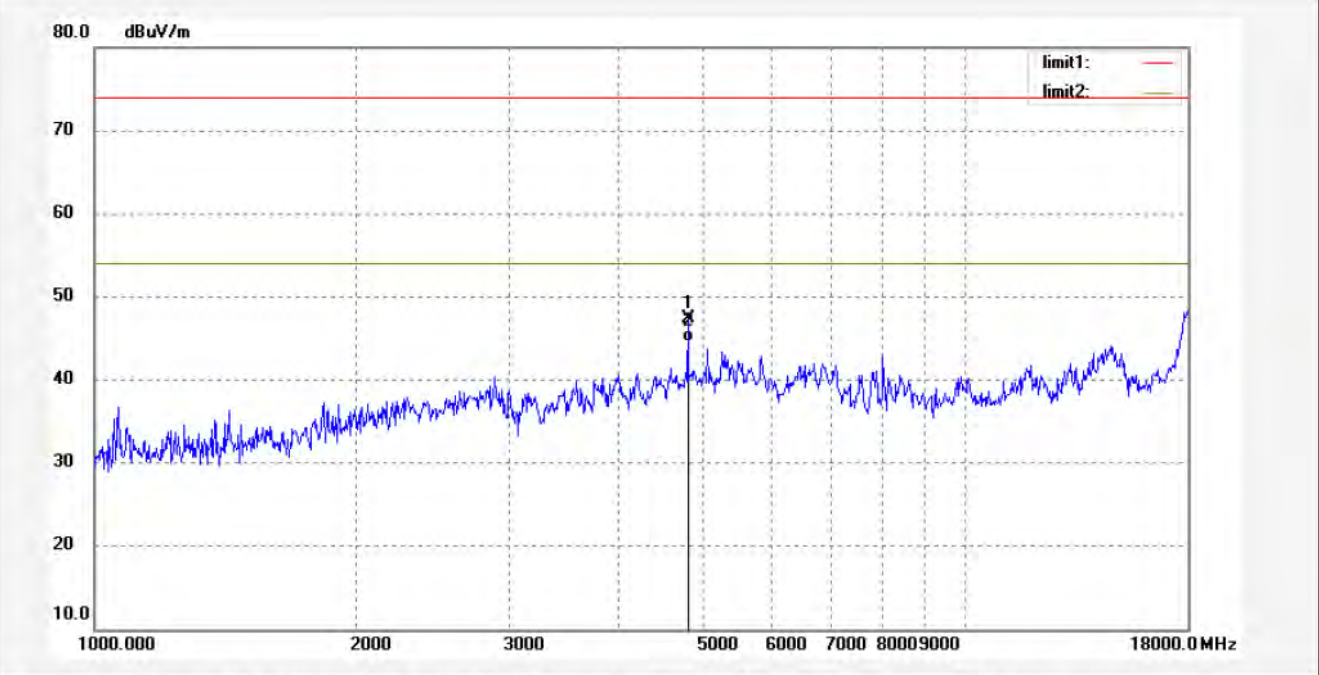
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F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: ALEN #716	Polarization: Vertical
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/6/
Temp.( C)/Hum.(%) 26 C / 60 %	Time: 8/57/54
EUT: MIRABOX	Engineer Signature:
Mode: TX 2422MHz(802.11n)(40MHz)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4844.000	47.74	-0.31	47.43	74.00	-26.57	peak			
2	4844.000	44.89	-0.31	44.58	54.00	-9.42	AVG			



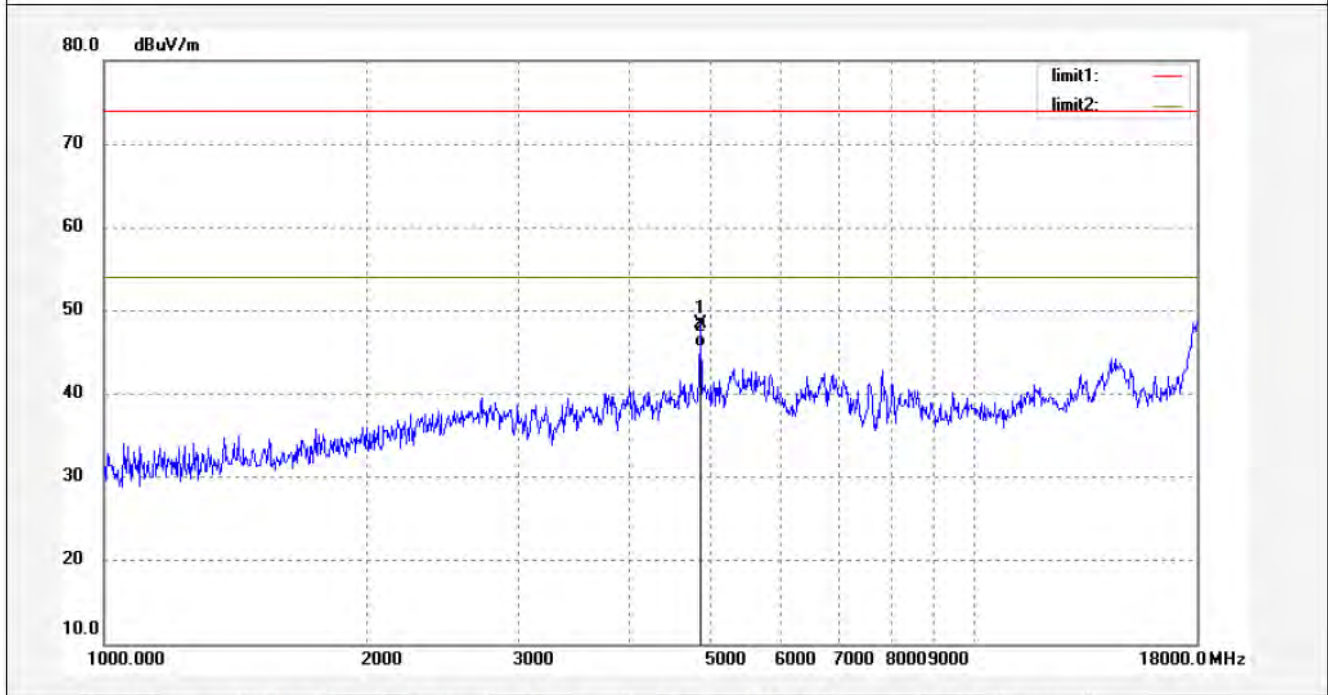
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: ALEN #717	Polarization: Vertical
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/6/
Temp.( C)/Hum.(%) 26 C / 60 %	Time: 8/58/14
EUT: MIRABOX	Engineer Signature:
Mode: TX 2437MHz(802.11n)(40MHz)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4874.000	48.49	-0.08	48.41	74.00	-25.59	peak			
2	4874.000	45.68	-0.08	45.60	54.00	-8.40	AVG			



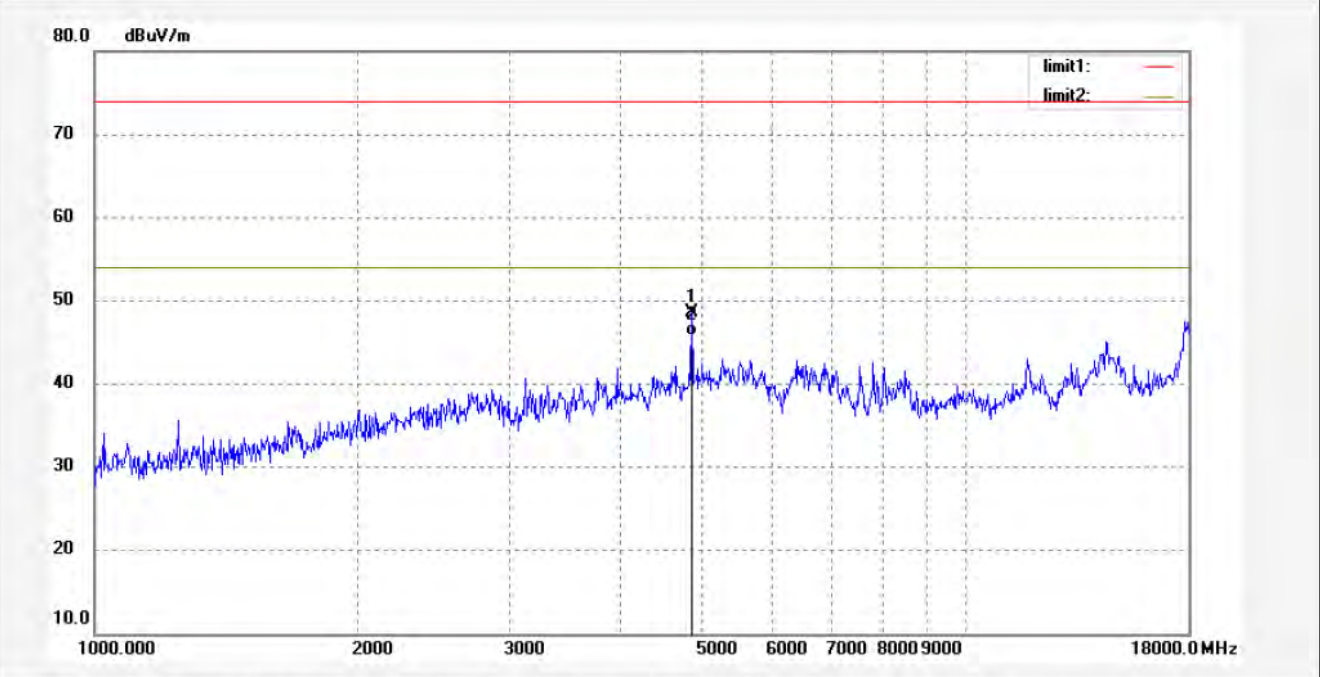
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F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: ALEN #718	Polarization: Horizontal
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/6/
Temp.( C)/Hum.(%) 26 C / 60 %	Time: 8/58/41
EUT: MIRABOX	Engineer Signature:
Mode: TX 2437MHz(802.11n)(40MHz)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4874.000	48.74	-0.08	48.66	74.00	-25.34	peak			
2	4874.000	45.86	-0.08	45.78	54.00	-8.22	AVG			





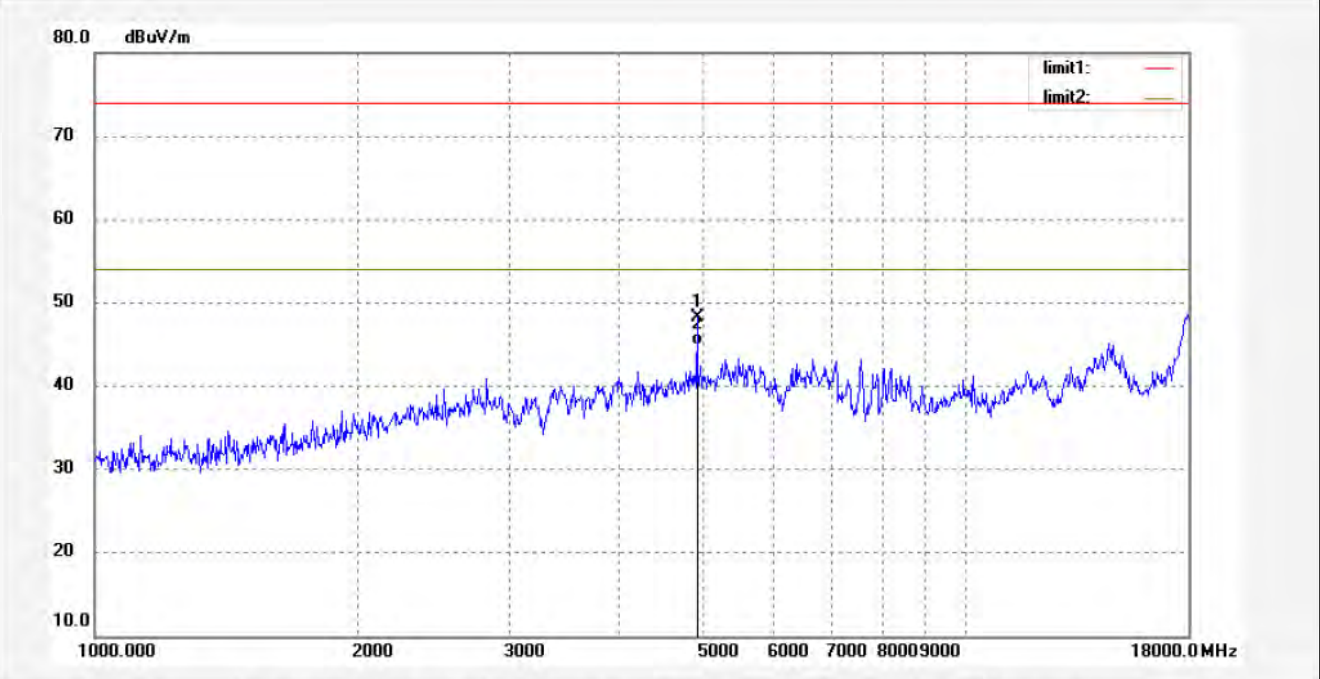
**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: ALEN #719	Polarization: Horizontal
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/6/
Temp.( C)/Hum.(%) 26 C / 60 %	Time: 8/59/11
EUT: MIRABOX	Engineer Signature:
Mode: TX 2452MHz(802.11n)(40MHz)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4904.000	47.96	0.30	48.26	74.00	-25.74	peak			
2	4904.000	44.69	0.30	44.99	54.00	-9.01	AVG			



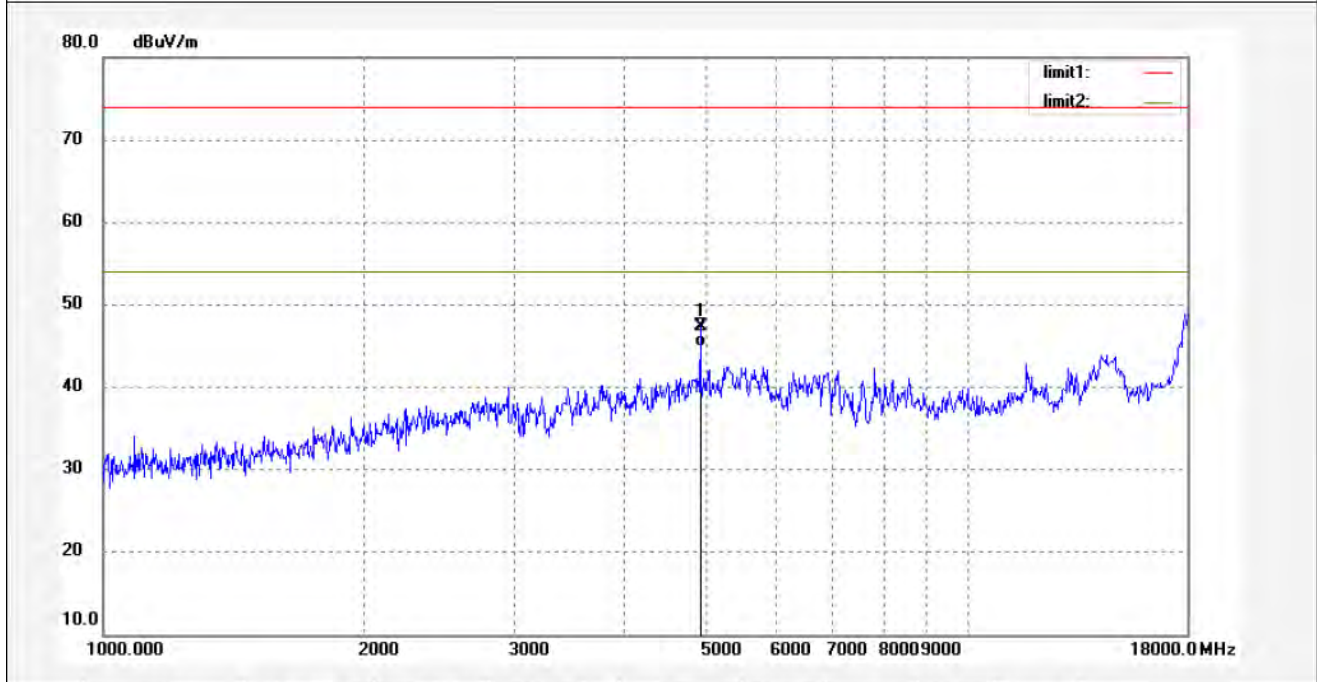
**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: ALEN #720	Polarization: Vertical
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/6/
Temp.( C)/Hum.(%) 26 C / 60 %	Time: 8/59/29
EUT: MIRABOX	Engineer Signature:
Mode: TX 2452MHz(802.11n)(40MHz)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4904.000	47.08	0.30	47.38	74.00	-26.62	peak			
2	4904.000	44.65	0.30	44.95	54.00	-9.05	AVG			



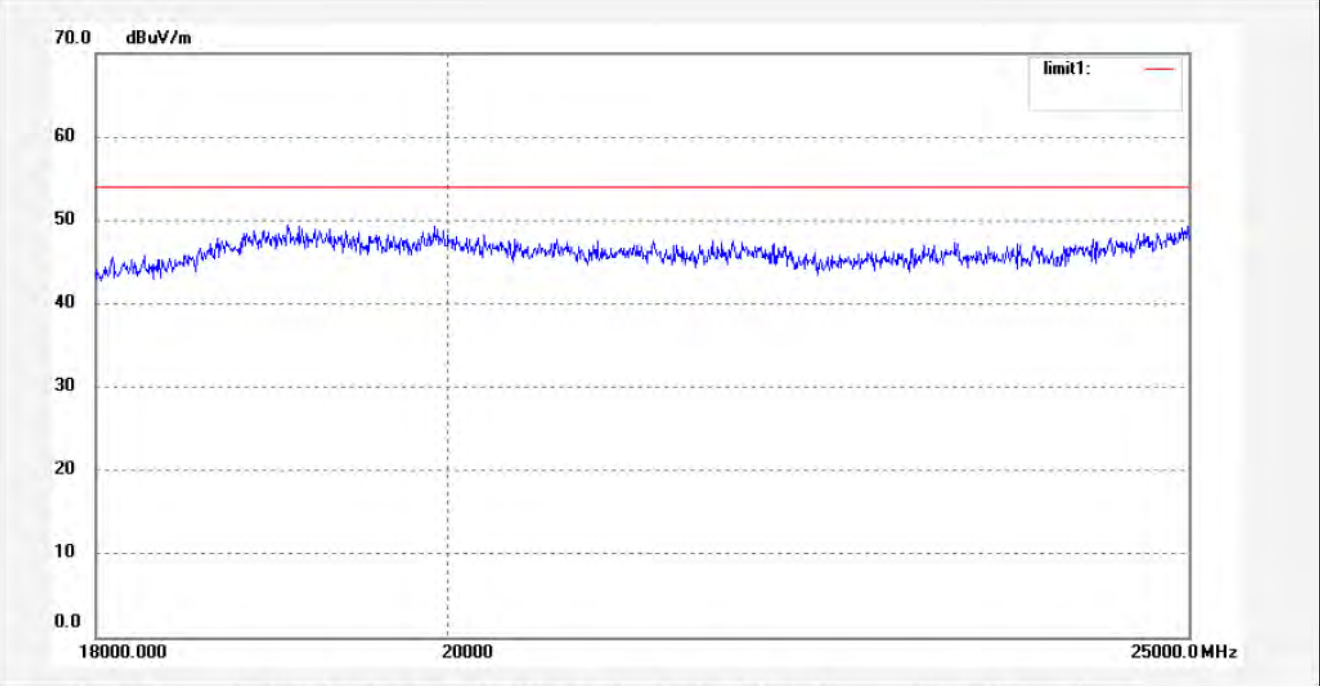
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F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: ALEN #670	Polarization: Horizontal
Standard: FCC 15C	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/5/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 11:07:15
EUT: MIRABOX	Engineer Signature:
Mode: TX Channel 1 (802.11b)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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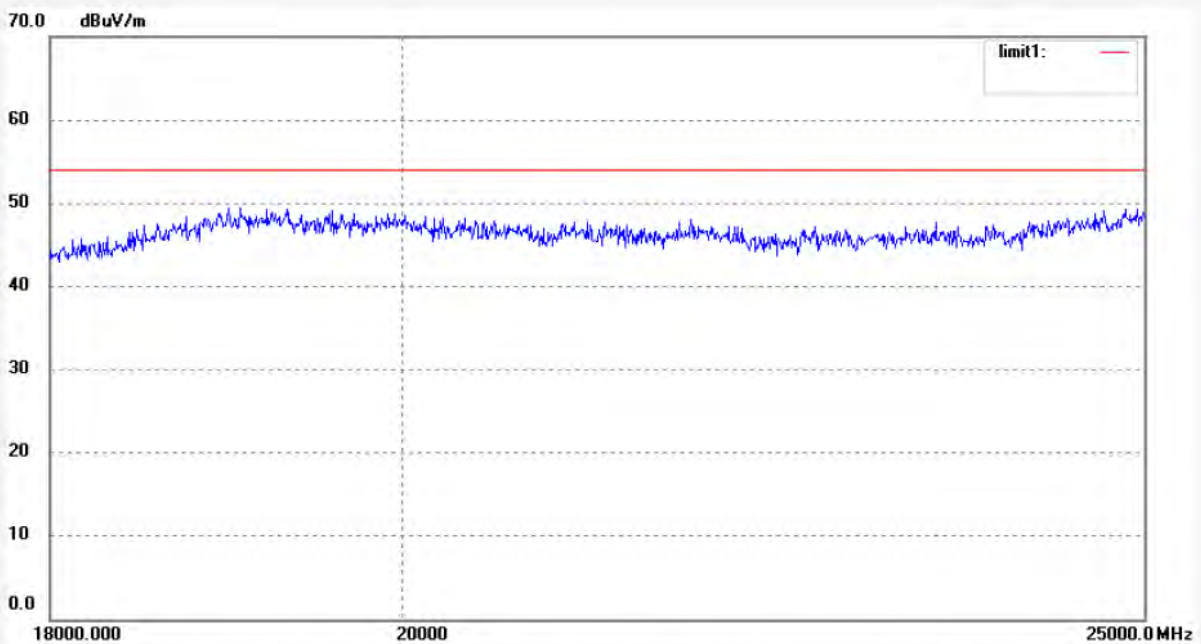
**ACCURATE TECHNOLOGY CO., LTD.**

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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: ALEN #671	Polarization: Vertical
Standard: FCC 15C	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/5/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 11:09:22
EUT: MIRABOX	Engineer Signature:
Mode: TX Channel 1 (802.11b)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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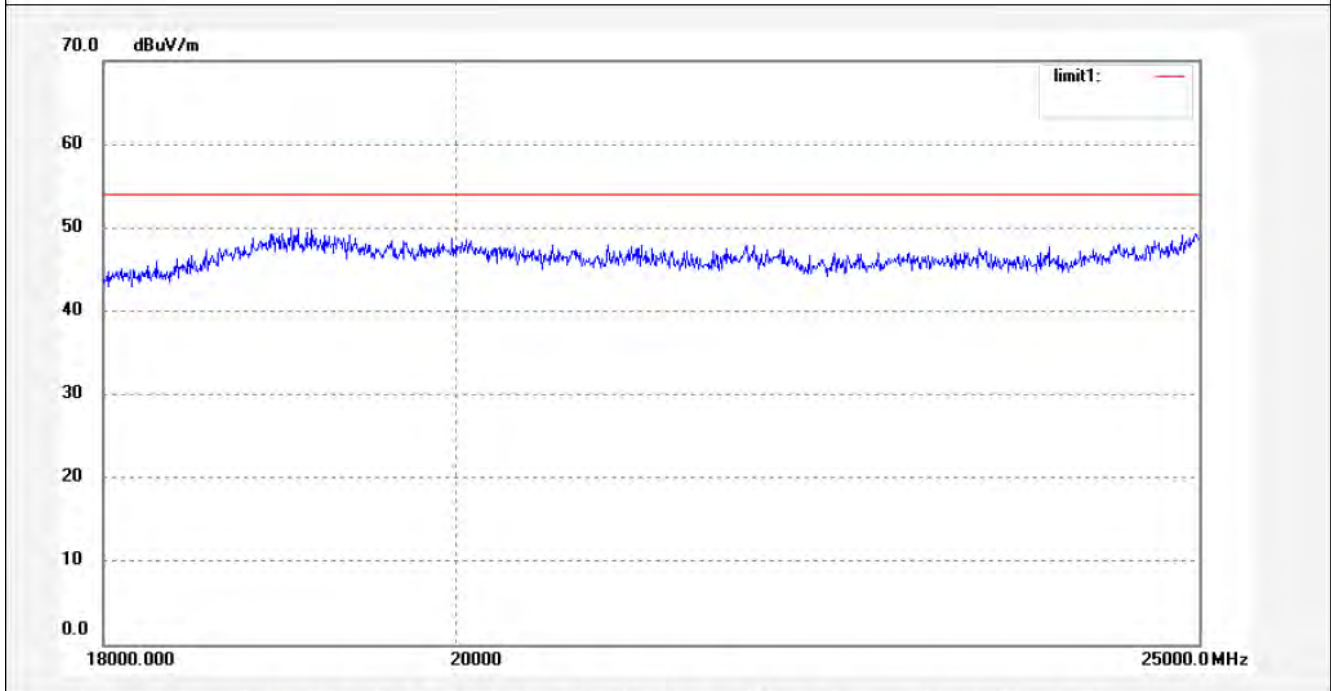
**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: ALEN #672	Polarization: Vertical
Standard: FCC 15C	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/5/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 11:14:45
EUT: MIRABOX	Engineer Signature:
Mode: TX Channel 6 (802.11b)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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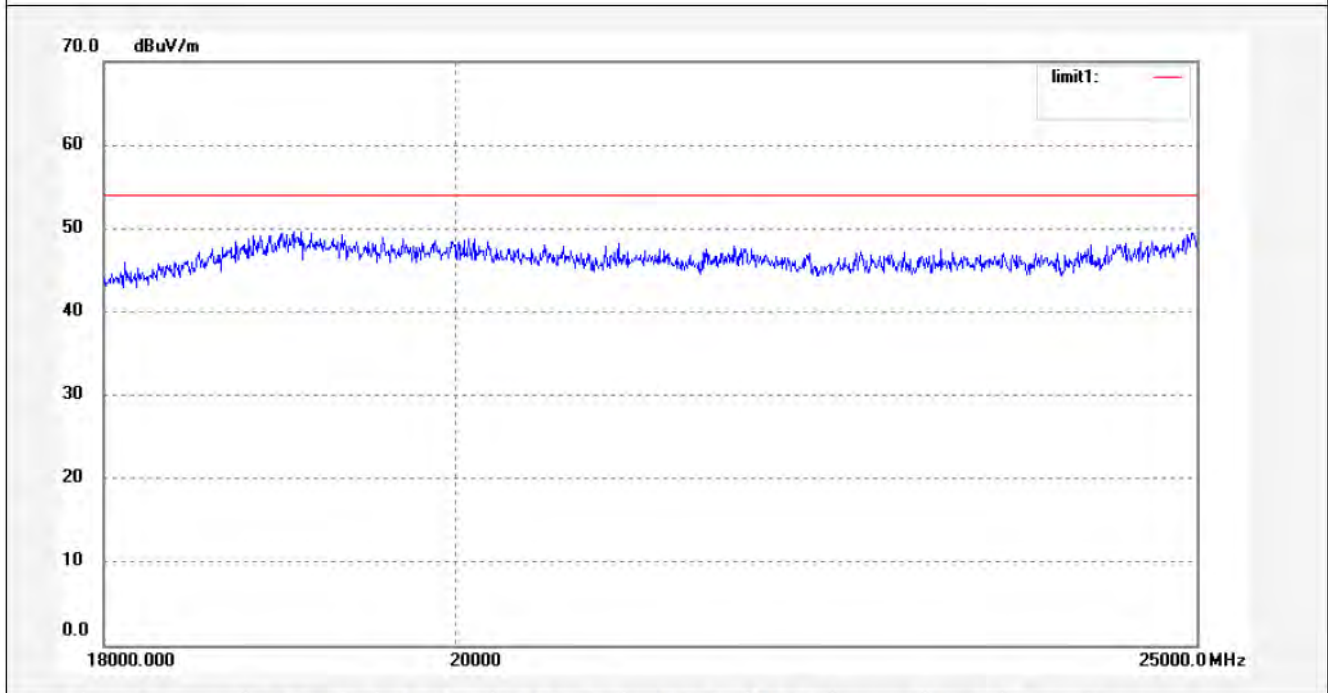
**ACCURATE TECHNOLOGY CO., LTD.**

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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: ALEN #673	Polarization: Horizontal
Standard: FCC 15C	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/5/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 11:18:36
EUT: MIRABOX	Engineer Signature:
Mode: TX Channel 6 (802.11b)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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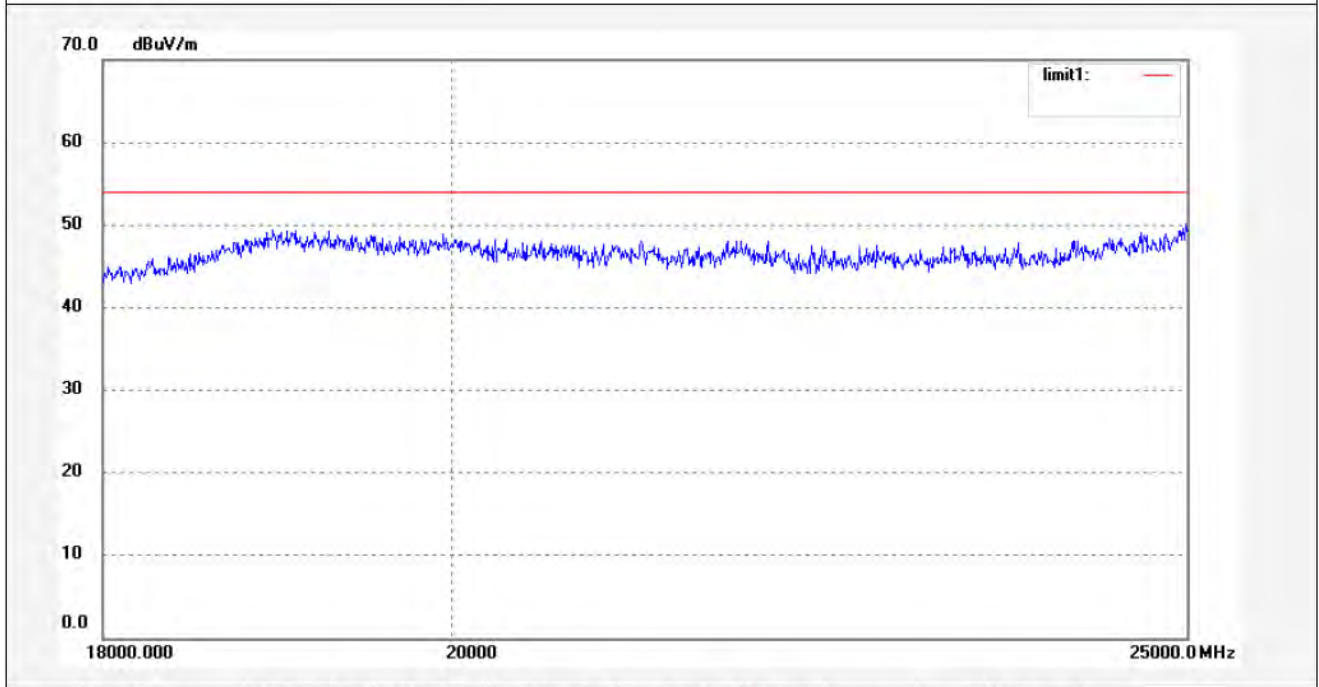
**ACCURATE TECHNOLOGY CO., LTD.**

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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: ALEN #674	Polarization: Horizontal
Standard: FCC 15C	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/5/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 11:23:55
EUT: MIRABOX	Engineer Signature:
Mode: TX Channel 11 (802.11b)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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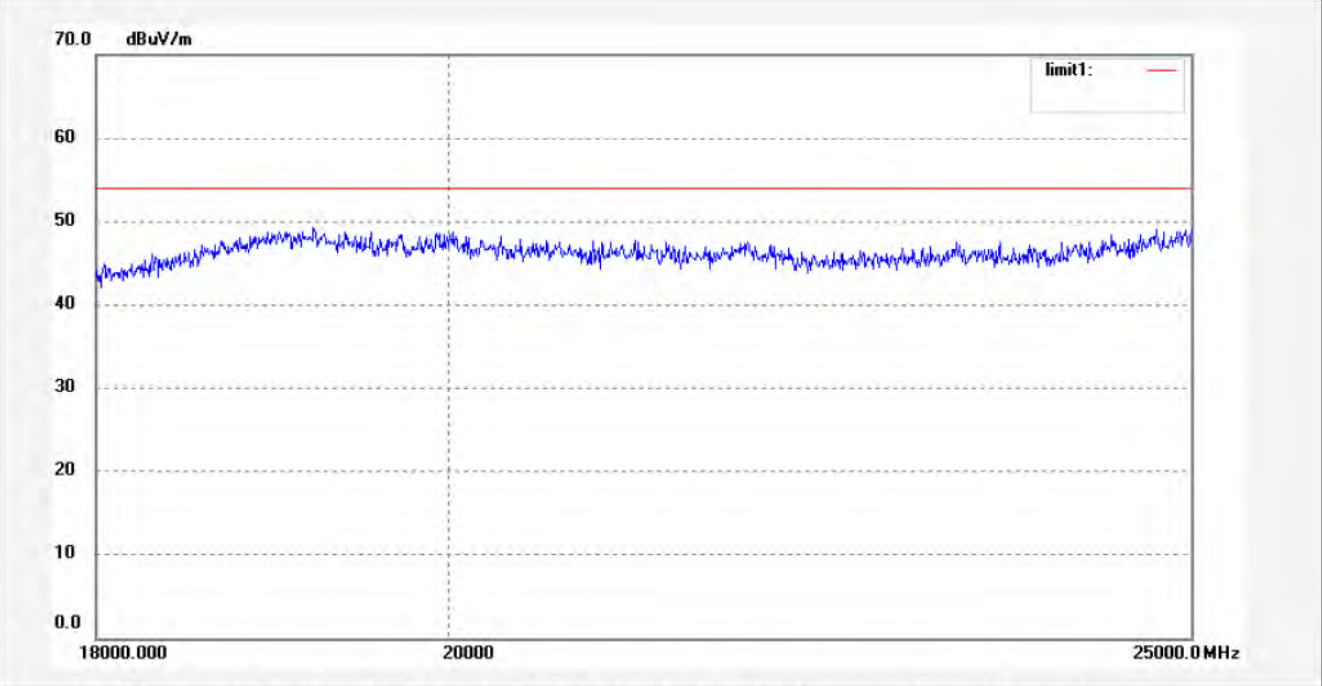
**ACCURATE TECHNOLOGY CO., LTD.**

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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: ALEN#675	Polarization: Vertical
Standard: FCC 15C	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/5/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 11:27:11
EUT: MIRABOX	Engineer Signature:
Mode: TX Channel 11 (802.11b)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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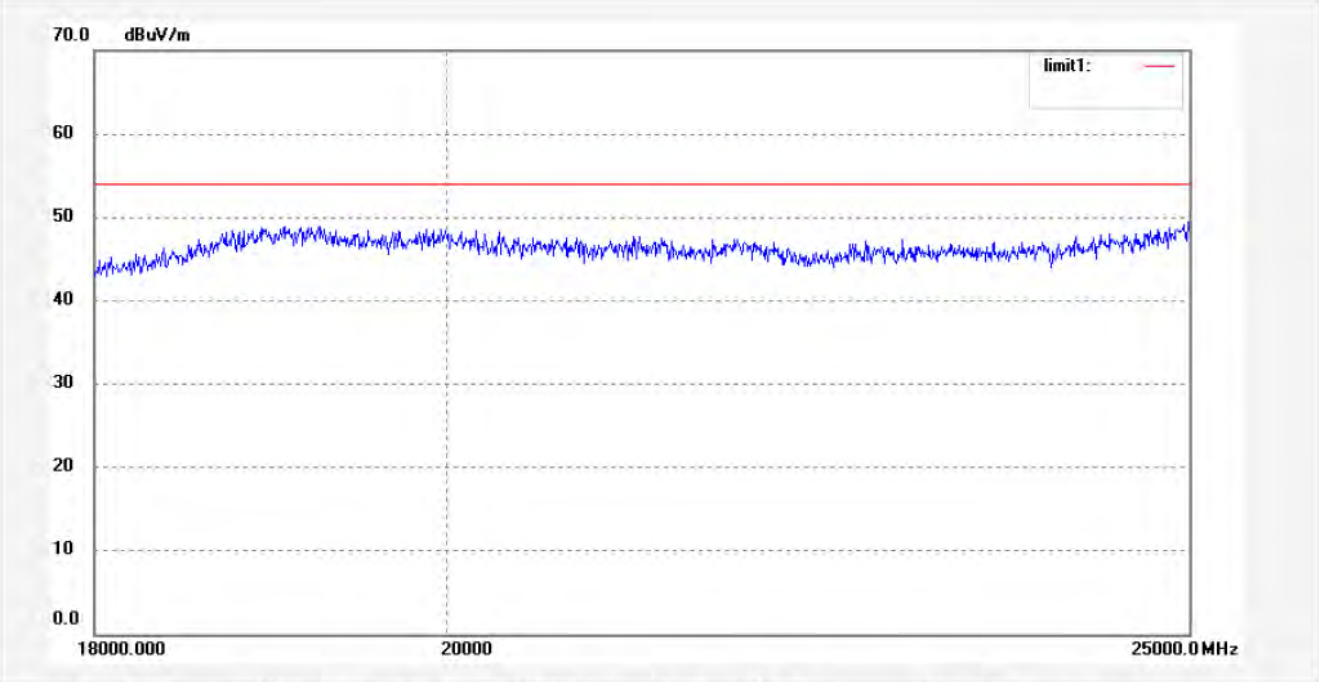
**ACCURATE TECHNOLOGY CO., LTD.**

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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: ALEN #676	Polarization: Vertical
Standard: FCC 15C	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/5/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 11:32:05
EUT: MIRABOX	Engineer Signature:
Mode: TX Channel 1 (802.11g)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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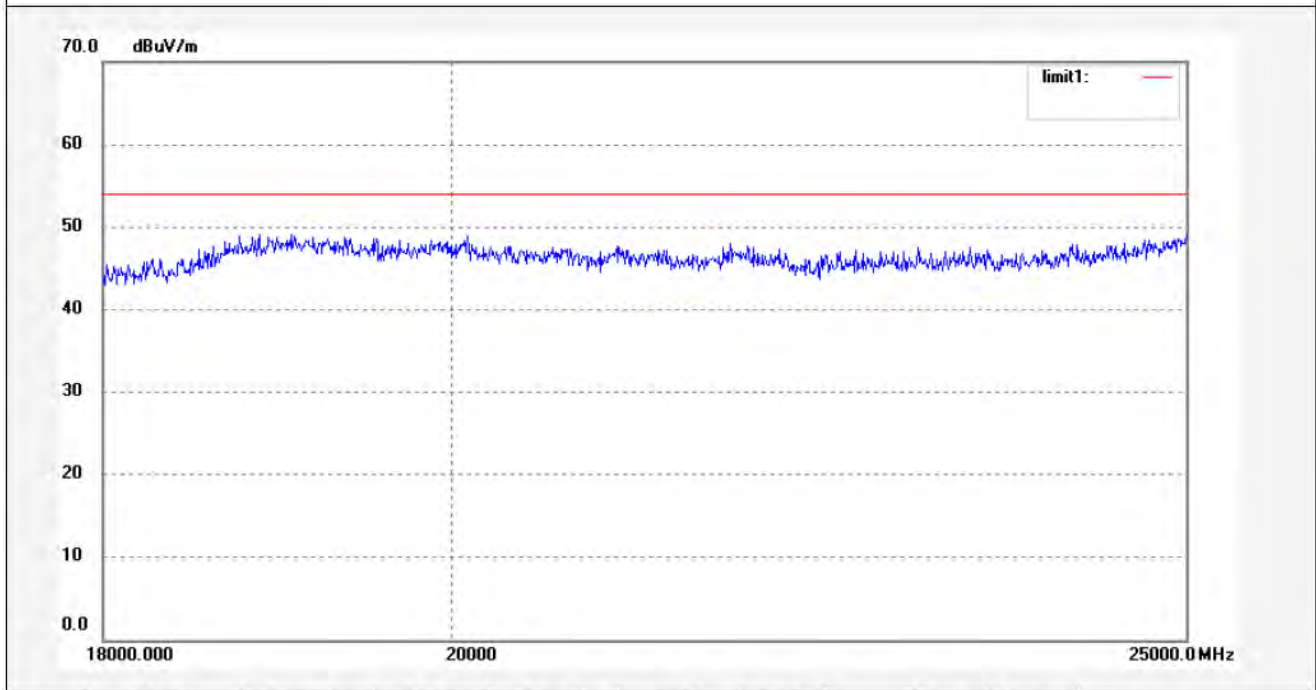
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: ALEN #677	Polarization: Horizontal
Standard: FCC 15C	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/5/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 11:35:56
EUT: MIRABOX	Engineer Signature:
Mode: TX Channel 1 (802.11g)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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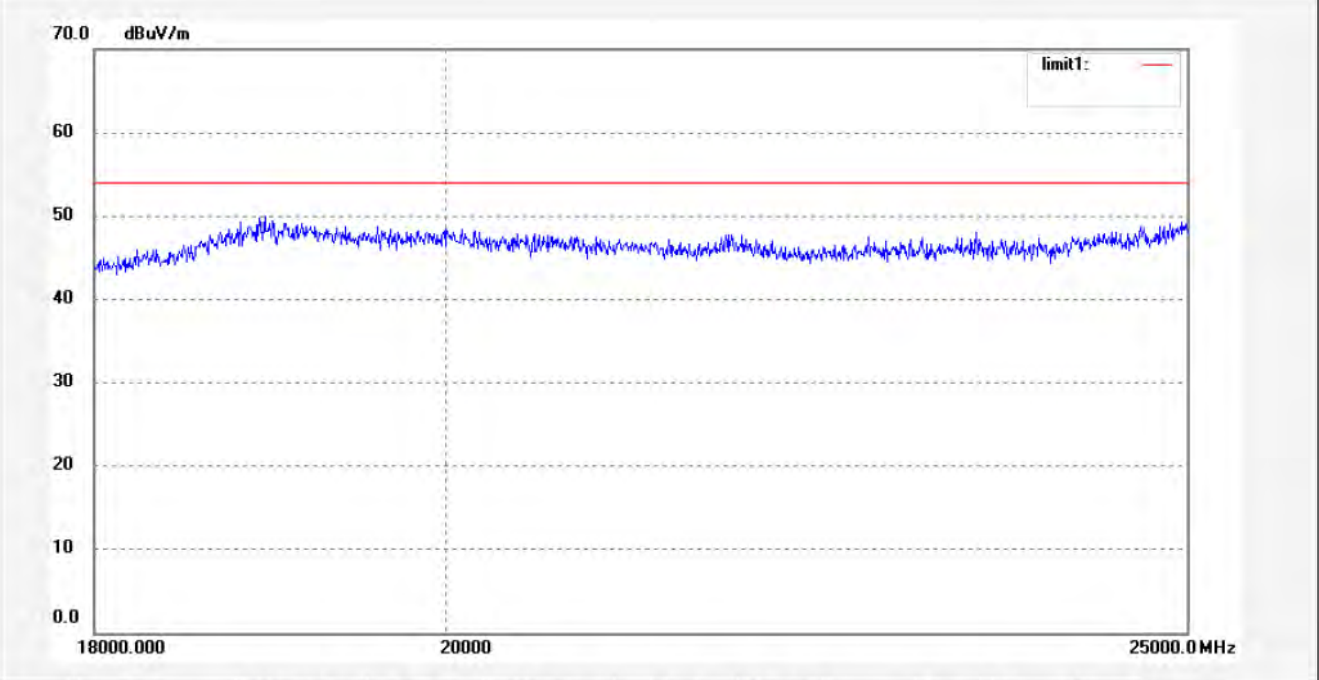
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: ALEN #678	Polarization: Horizontal
Standard: FCC I5C	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/5/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 11:38:38
EUT: MIRABOX	Engineer Signature:
Mode: TX Channel 6 (802.11g)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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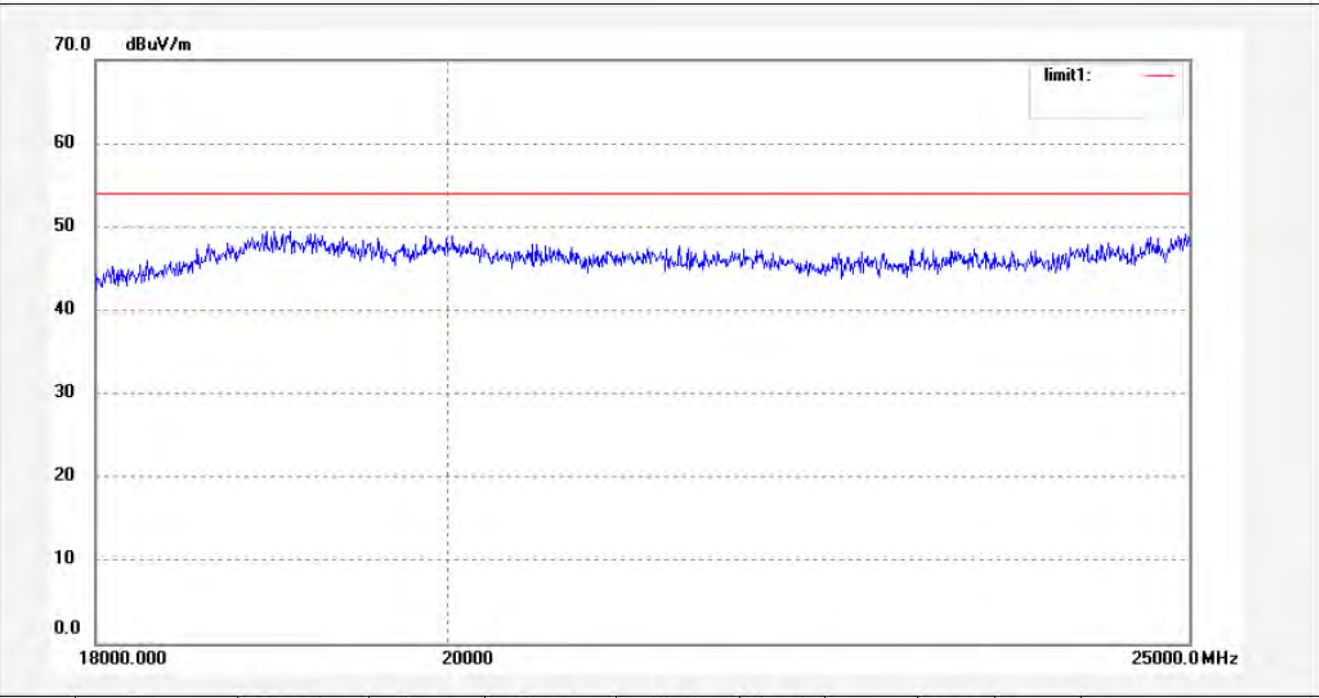
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: ALEN #679	Polarization: Vertical
Standard: FCC 15C	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/5/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 11:43:17
EUT: MIRABOX	Engineer Signature:
Mode: TX Channel 6 (802.11g)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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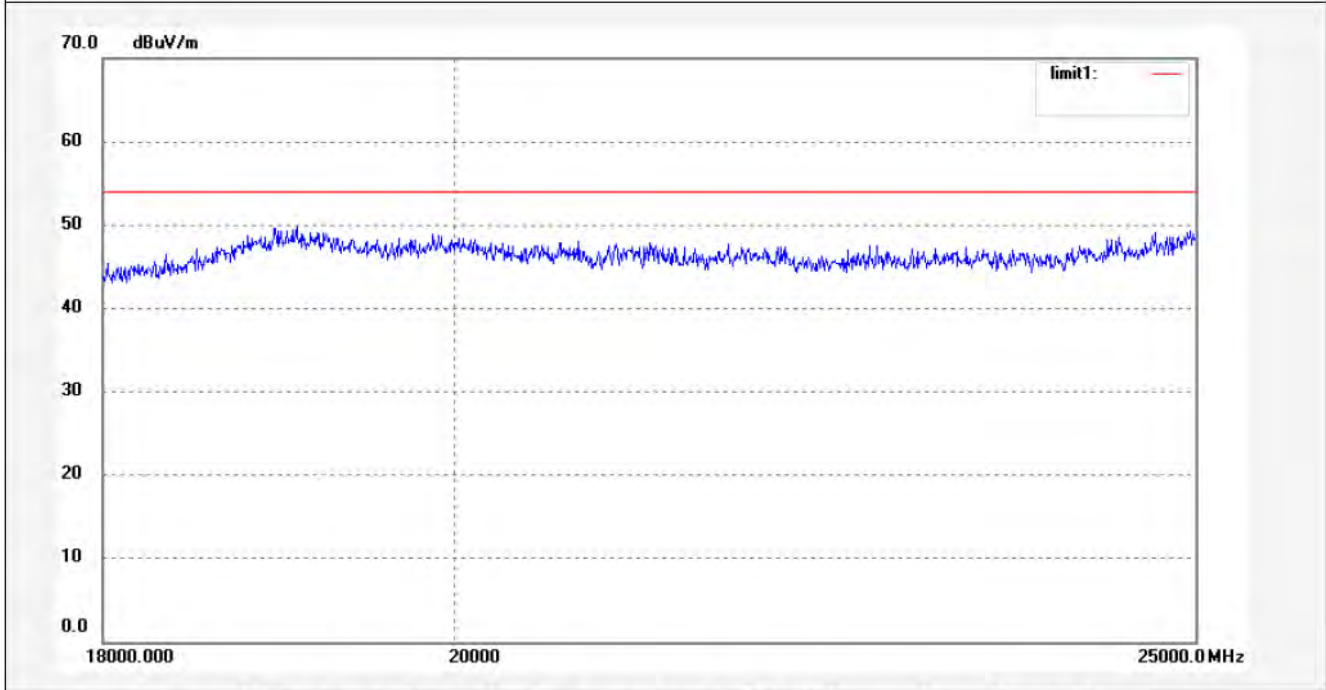
**ACCURATE TECHNOLOGY CO., LTD.**

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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: ALEN #680	Polarization: Vertical
Standard: FCC 15C	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/5/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 11:47:55
EUT: MIRABOX	Engineer Signature:
Mode: TX Channel 11 (802.11g)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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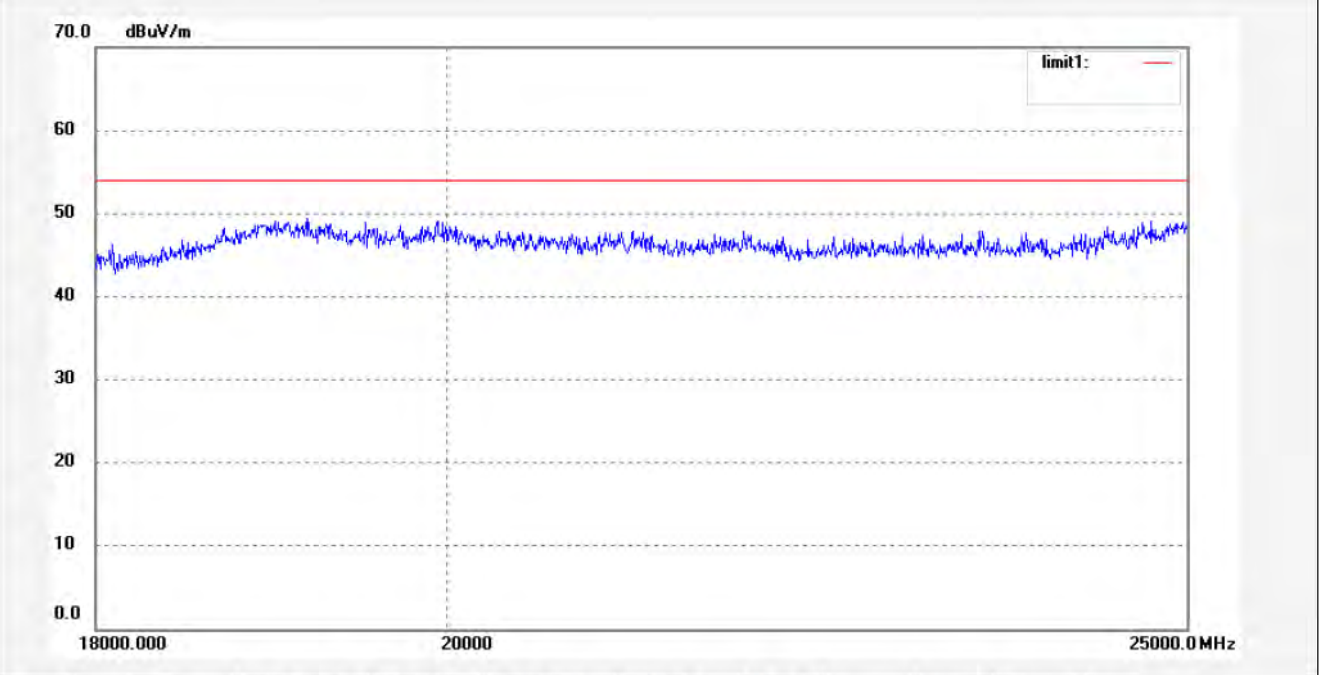
**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: ALEN #681	Polarization: Horizontal
Standard: FCC 15C	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/5/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 11:50:47
EUT: MIRABOX	Engineer Signature:
Mode: TX Channel 11 (802.11g)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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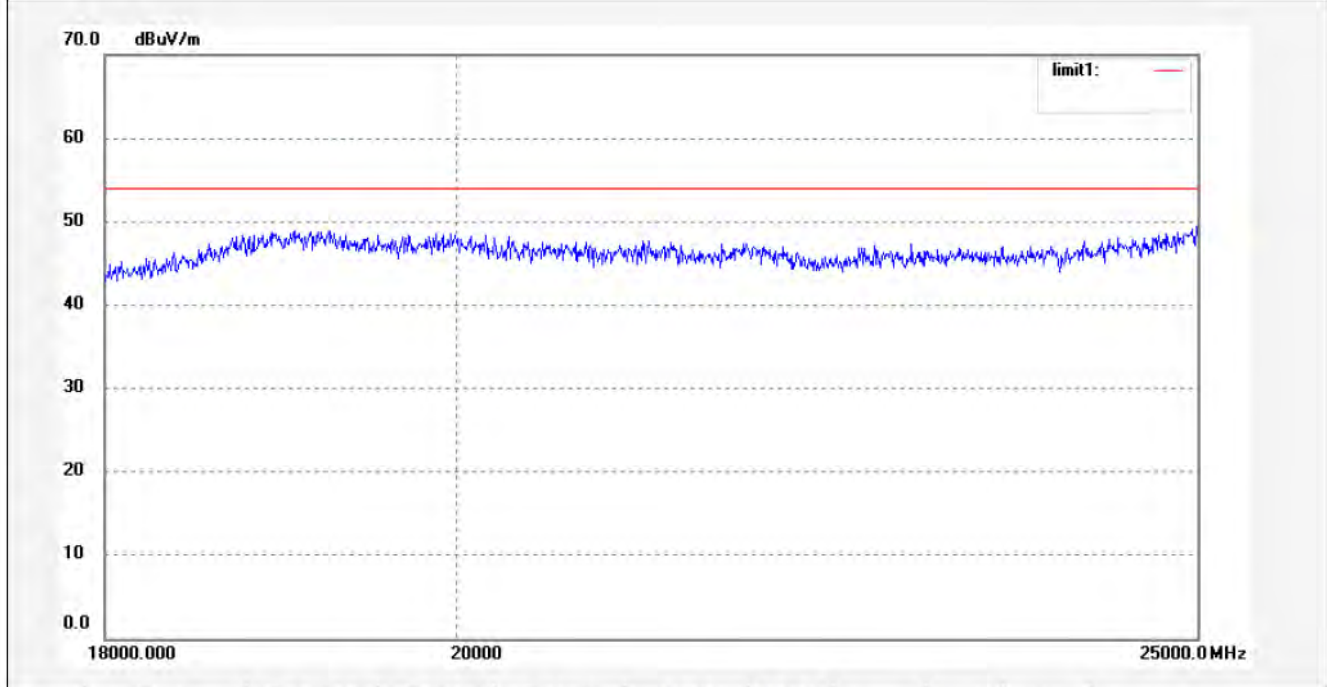
**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: Alen #682	Polarization: Vertical
Standard: FCC 15C	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/5/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 12:41:05
EUT: MIRABOX	Engineer Signature:
Mode: TX Channel 11 (802.11n)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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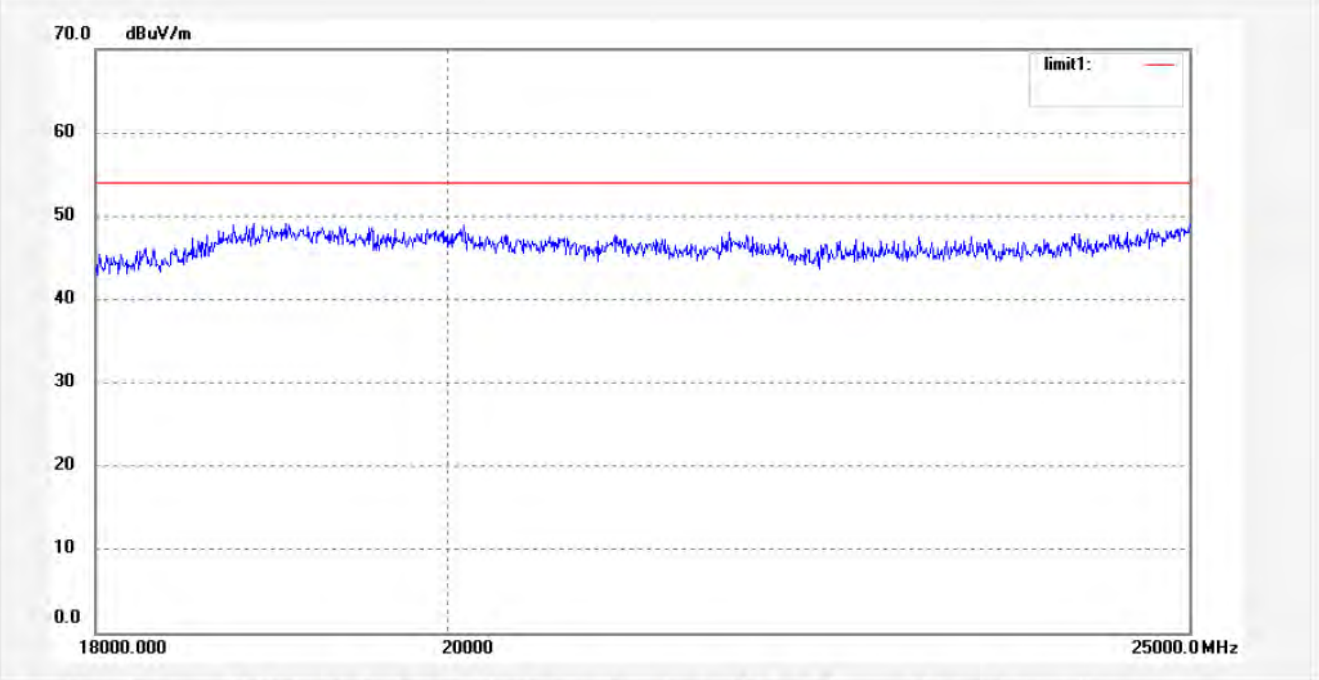
**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: Alen #683	Polarization: Horizontal
Standard: FCC 15C	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/5/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 12:42:56
EUT: MIRABOX	Engineer Signature:
Mode: TX Channel 11 (802.11n)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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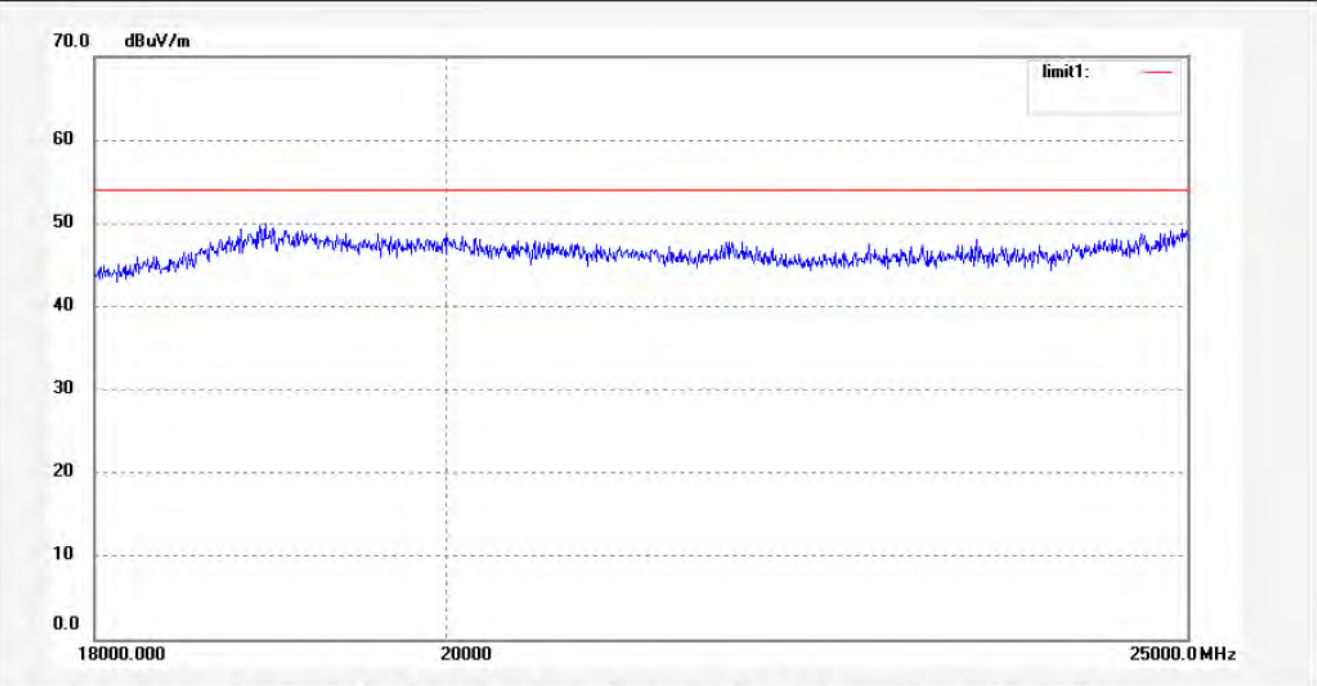
**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: Alen #684	Polarization: Horizontal
Standard: FCC 15C	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/5/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 12:44:38
EUT: MIRABOX	Engineer Signature:
Mode: TX Channel 6 (802.11n)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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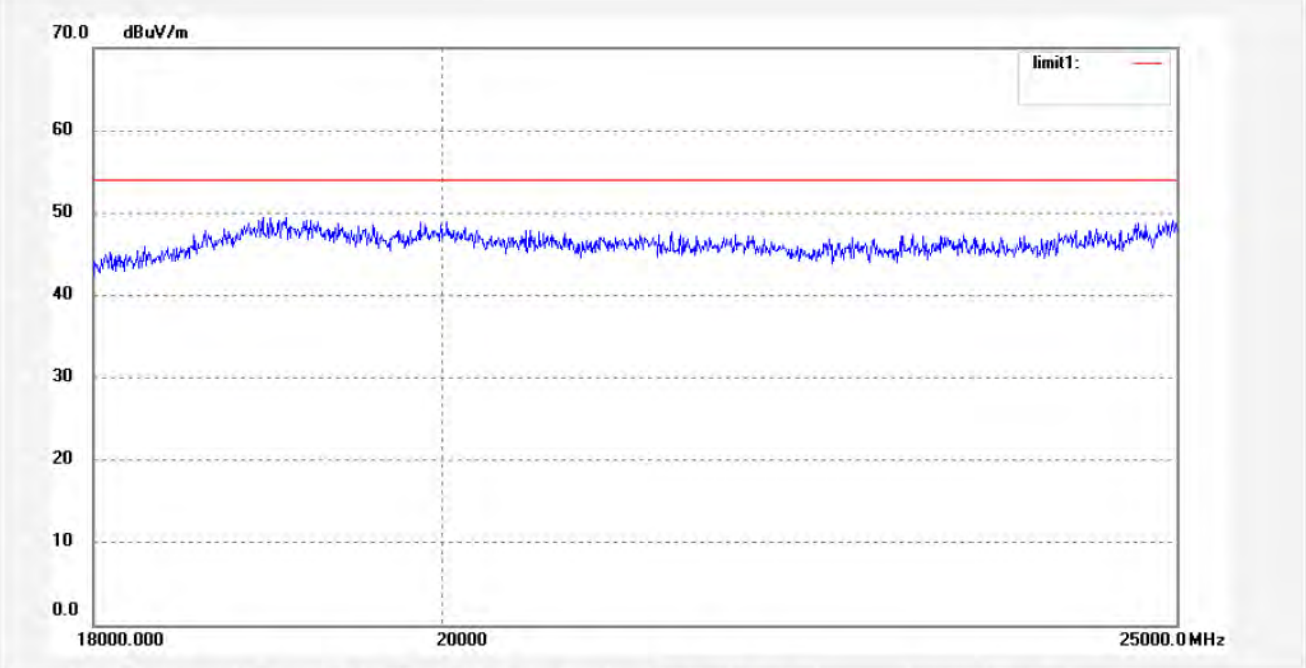
**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: Alen #685	Polarization: Vertical
Standard: FCC 15C	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/5/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 12:45:42
EUT: MIRABOX	Engineer Signature:
Mode: TX Channel 6 (802.11n)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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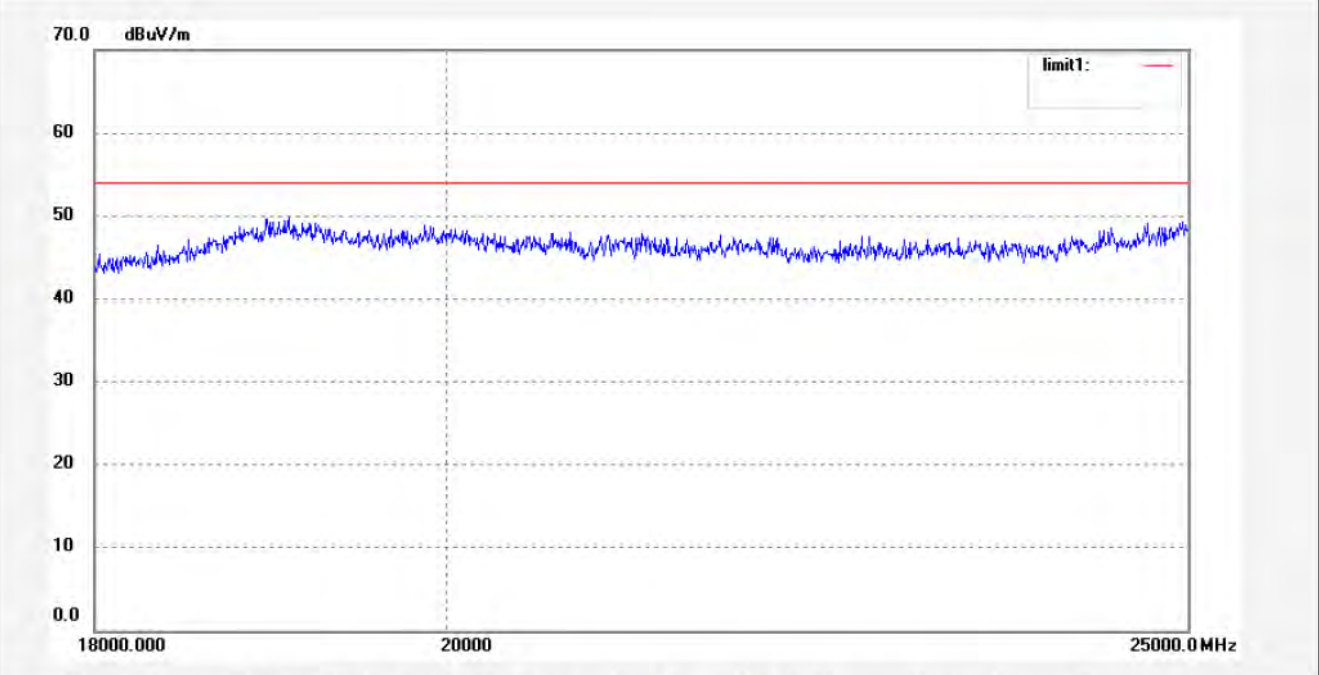
**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: Alen #686	Polarization: Vertical
Standard: FCC 15C	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/5/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 12:48:59
EUT: MIRABOX	Engineer Signature:
Mode: TX Channel 1 (802.11n)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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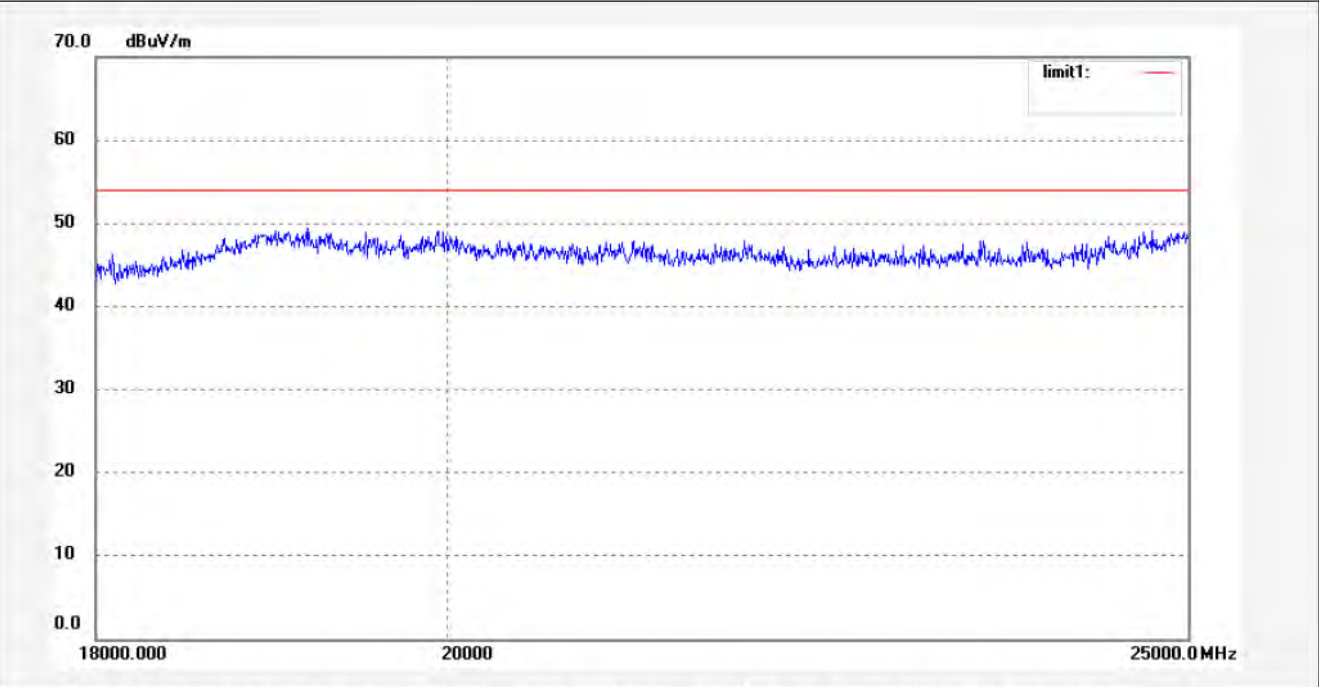
**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: Alen #687	Polarization: Horizontal
Standard: FCC 15C	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/5/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 12:52:35
EUT: MIRABOX	Engineer Signature: Alen
Mode: TX Channel 1 (802.11n)	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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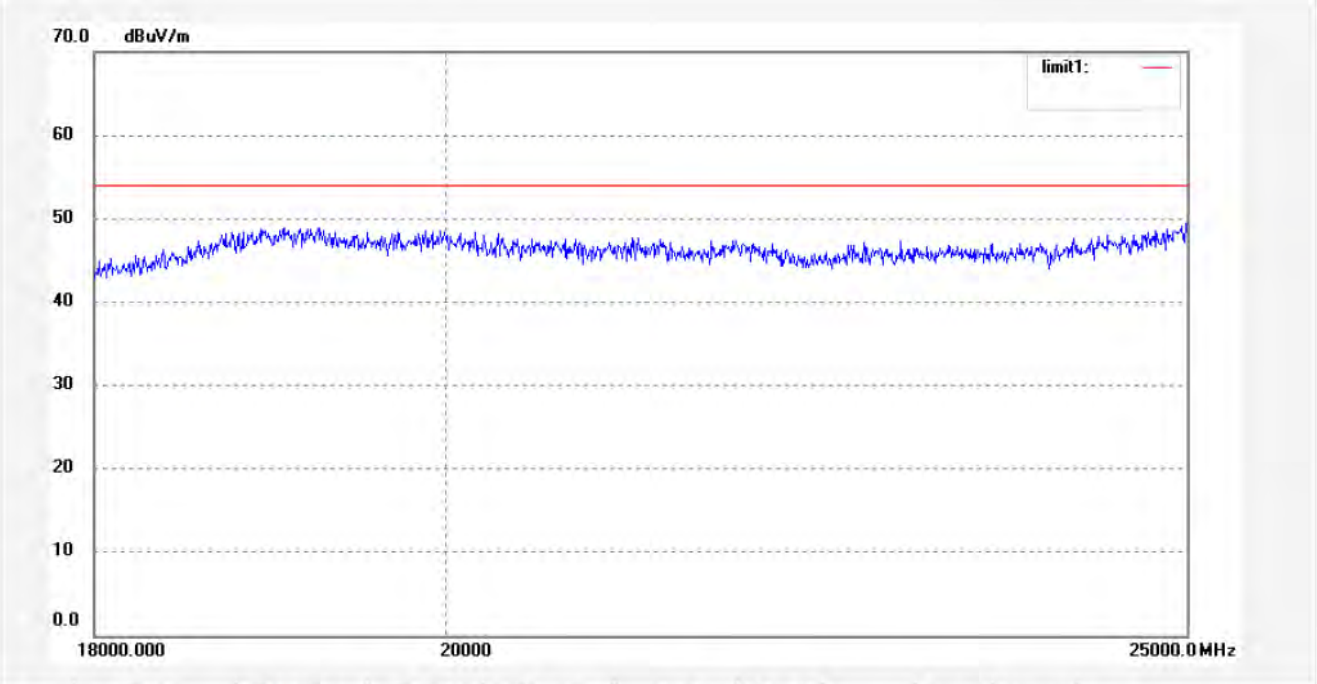
**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: Alen #688	Polarization: Vertical
Standard: FCC 15C	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/5/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 13:21:05
EUT: MIRABOX	Engineer Signature:
Mode: TX Channel 9 (802.11n)40MHz	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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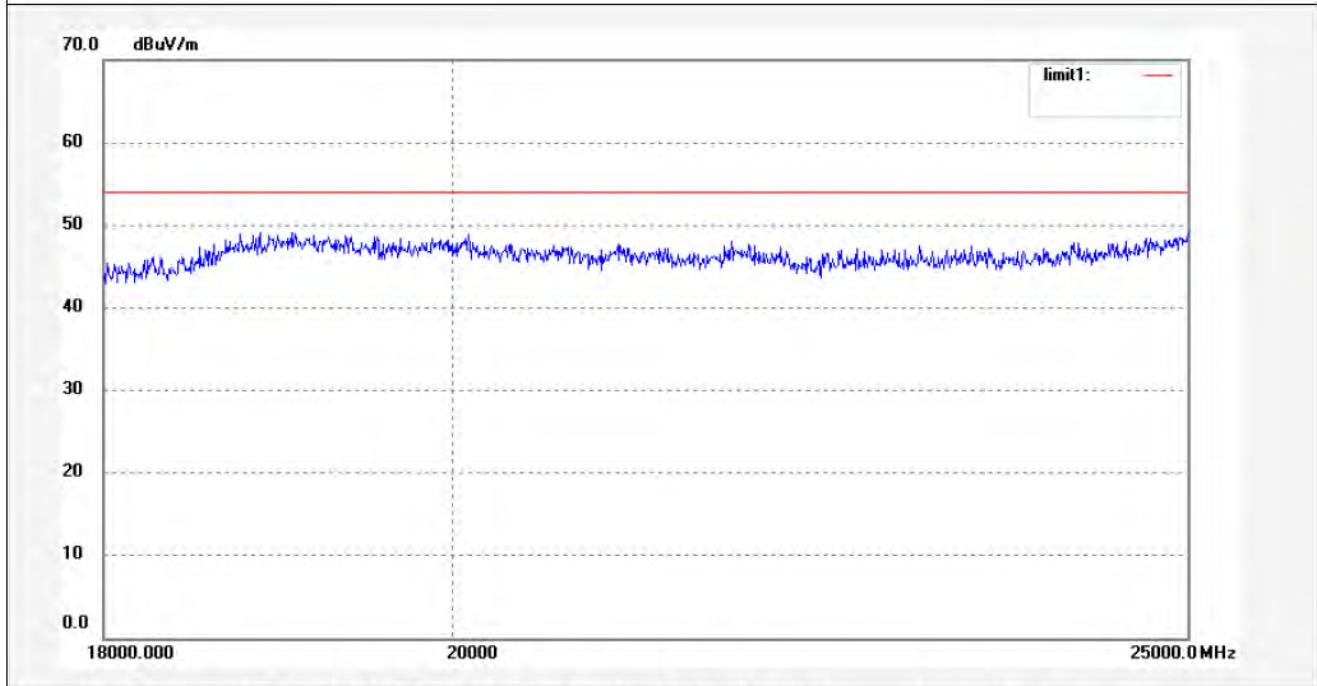
**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: Alen #689	Polarization: Horizontal
Standard: FCC 15C	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/5/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 13:22:56
EUT: MIRABOX	Engineer Signature:
Mode: TX Channel 9 (802.11n)40MHz	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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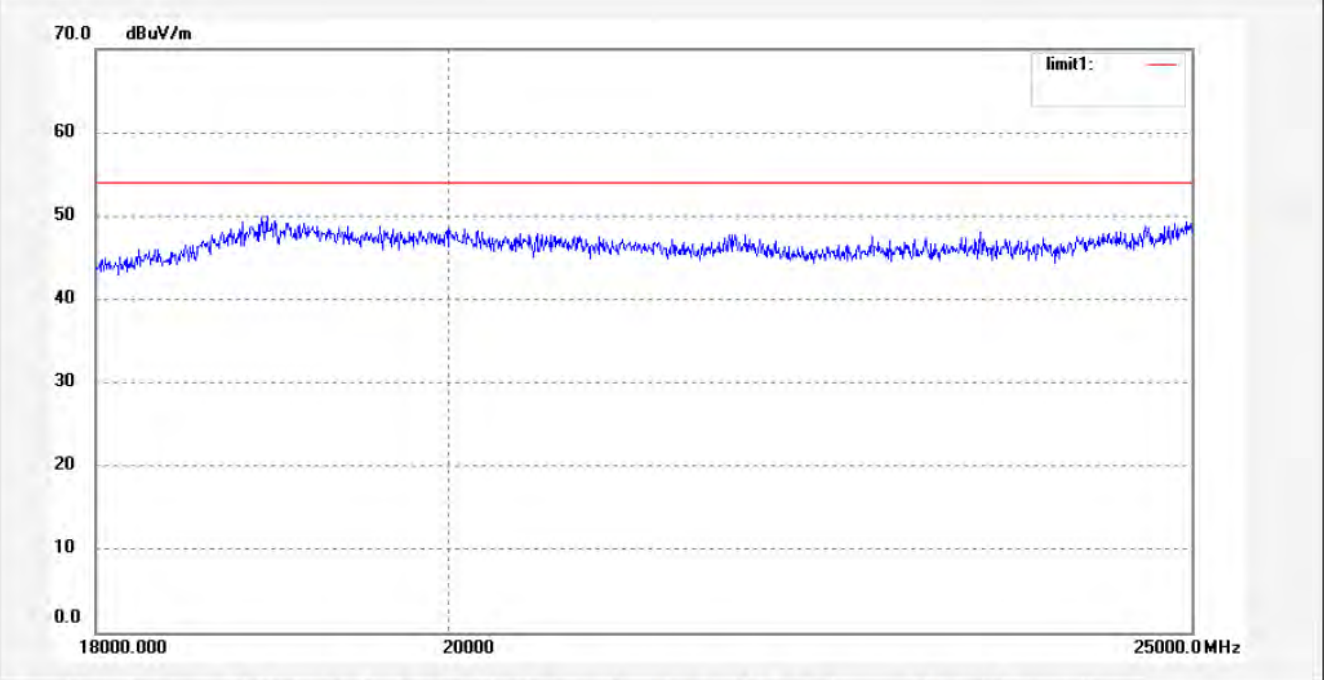
**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: Alen #690	Polarization: Horizontal
Standard: FCC 15C	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/5/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 13:24:38
EUT: MIRABOX	Engineer Signature:
Mode: TX Channel 6 (802.11n)40MHz	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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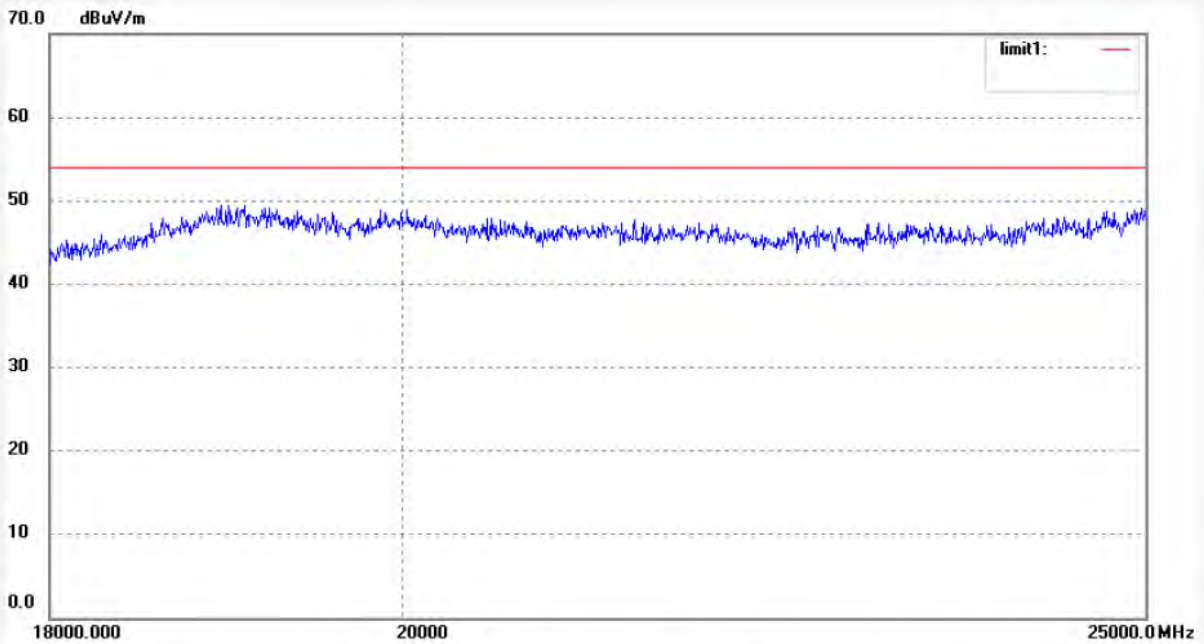
**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: A1en #691	Polarization: Vertical
Standard: FCC 15C	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/5/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 13:25:42
EUT: MIRABOX	Engineer Signature:
Mode: TX Channel 6 (802.11n)40MHz	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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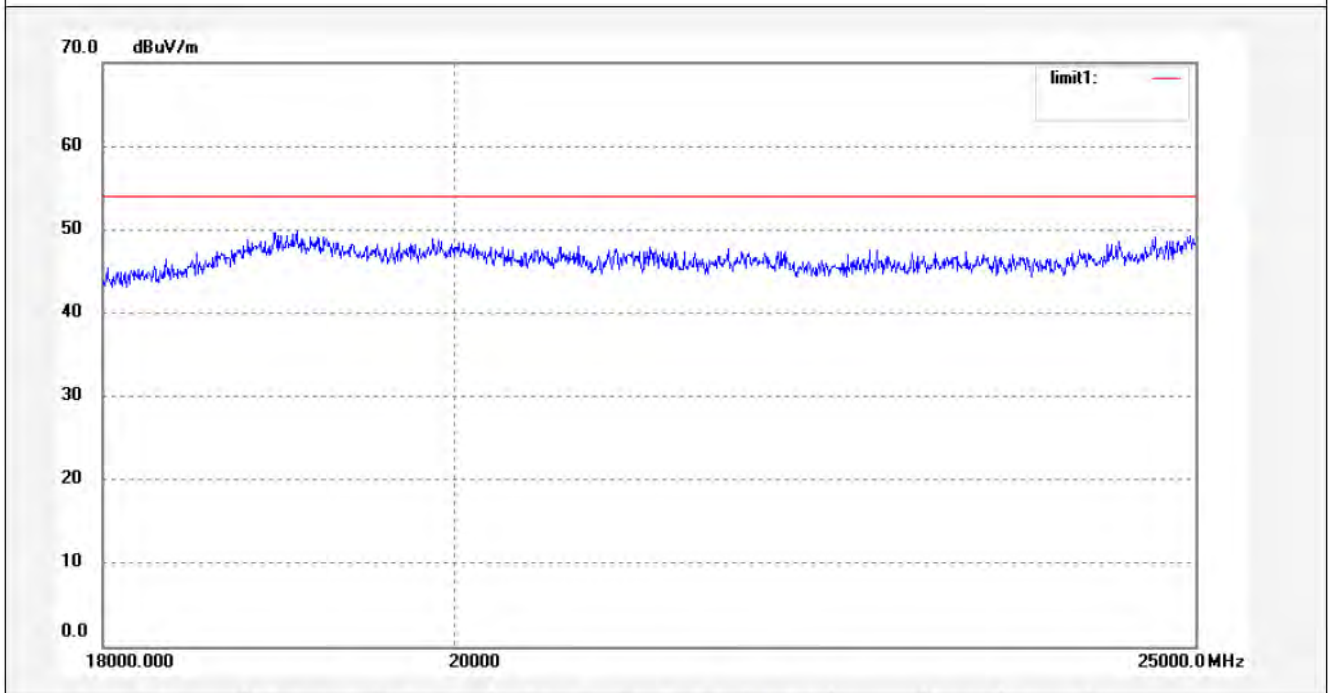
**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: Alen #692	Polarization: Vertical
Standard: FCC 15C	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/5/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 13:28:59
EUT: MIRABOX	Engineer Signature:
Mode: TX Channel 3 (802.11n)40MHz	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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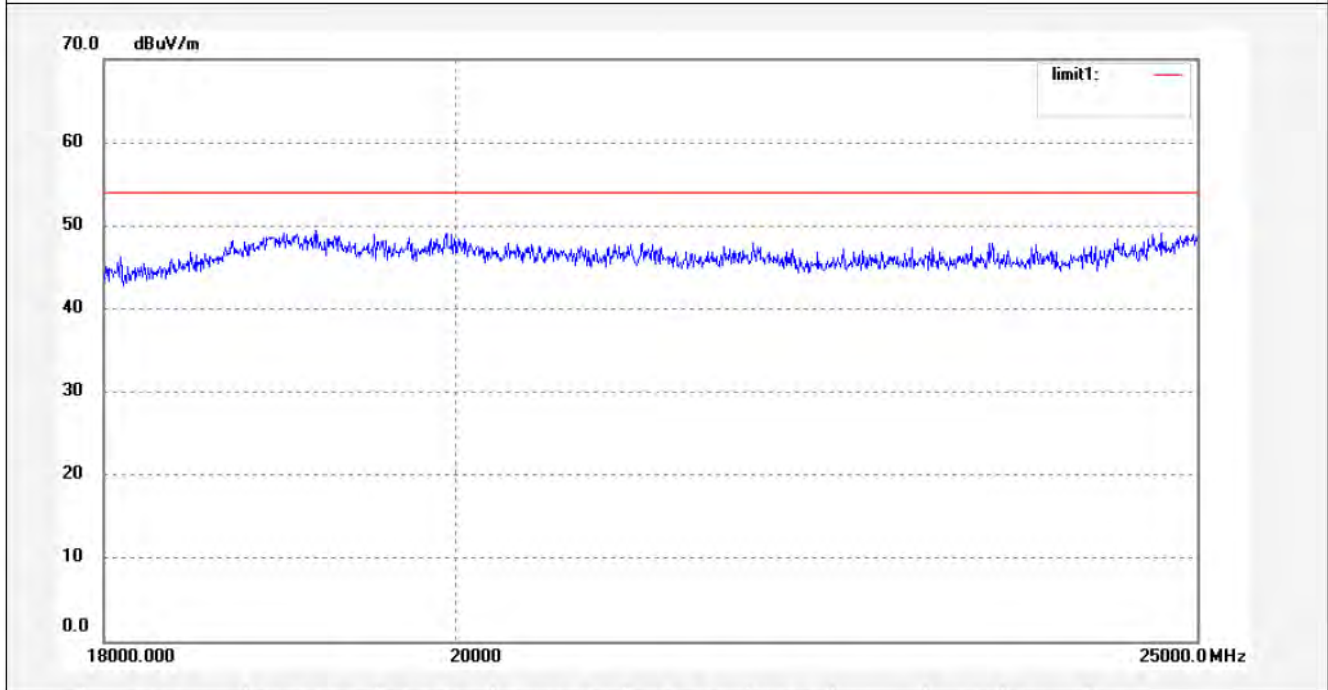
**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: Alen #693	Polarization: Horizontal
Standard: FCC 15C	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/1/5/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 13:32:35
EUT: MIRABOX	Engineer Signature: Alen
Mode: TX Channel 3 (802.11n)40MHz	Distance: 3m
Model: 003-MBX001	
Manufacturer: Globalscale	

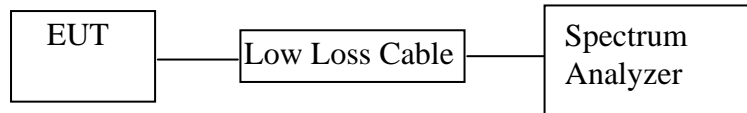
Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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## 10. CONDUCTED SPURIOUS EMISSION COMPLIANCE TEST

### 10.1. Block Diagram of Test Setup



(EUT: MIRABOX)

### 10.2. The Requirement For Section 15.247(d)

Section 15.247(d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

### 10.3. EUT Configuration on Measurement

The following equipment is installed on the emission measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

#### 10.3.1. MIRABOX (EUT)

Model Number	:	003-MBX001
Serial Number	:	N/A
Manufacturer	:	Globalscale Technologies INC



## 10.4. Operating Condition of EUT

10.4.1. Setup the EUT and simulator as shown as Section 10.1.

10.4.2. Turn on the power of all equipment.

10.4.3. Let the EUT work in TX modes measure it. The transmit frequency are 2412-2462 and 2422-2452MHz. We select 2412MHz, 2437MHz, 2462MHz and 2422MHz, 2437MHz, 2452MHz TX frequency to transmit.

## 10.5. Test Procedure

10.5.1. The transmitter output was connected to the spectrum analyzer via a low loss cable.

10.5.2. Set RBW of spectrum analyzer to 100 kHz and VBW to 300 kHz.

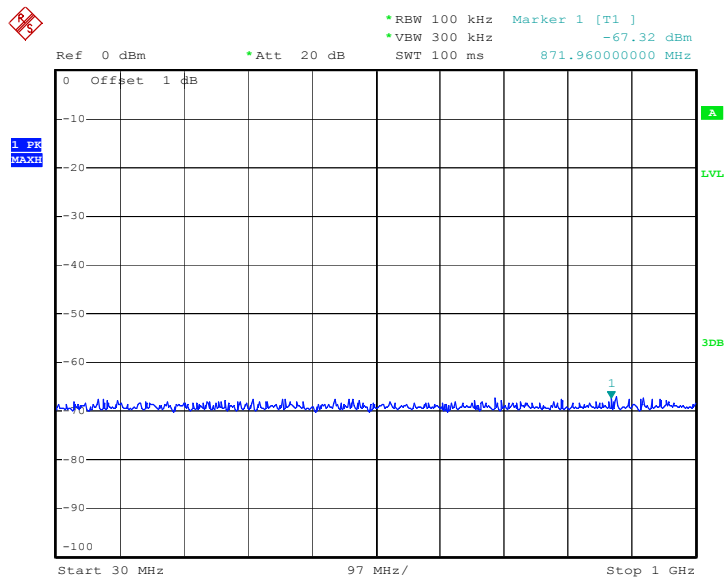
10.5.3. The Conducted Spurious Emission was measured and recorded.

## 10.6. Test Result

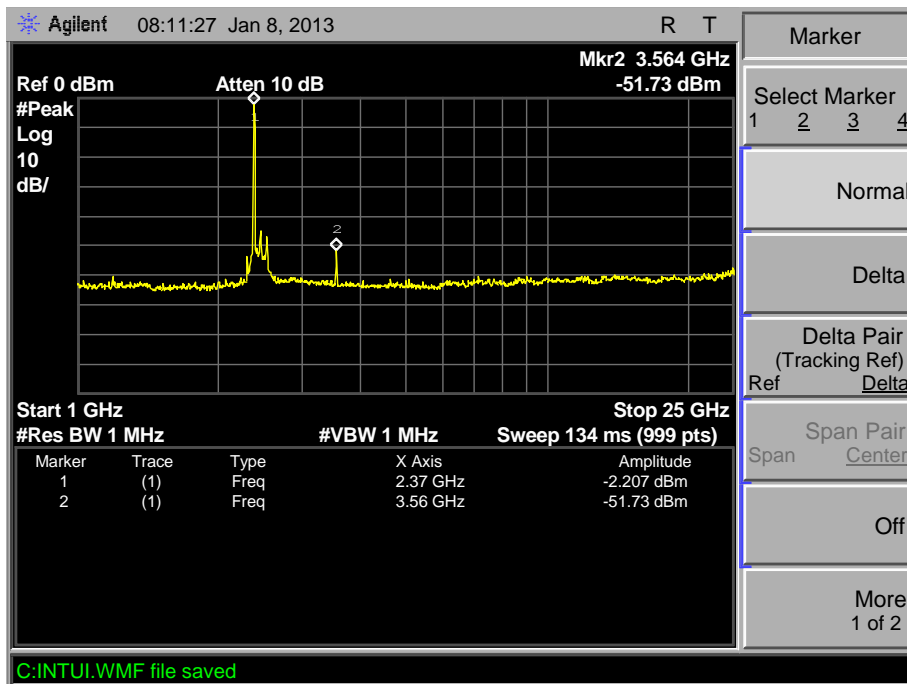
**Pass.**

The spectrum analyzer plots are attached as below.

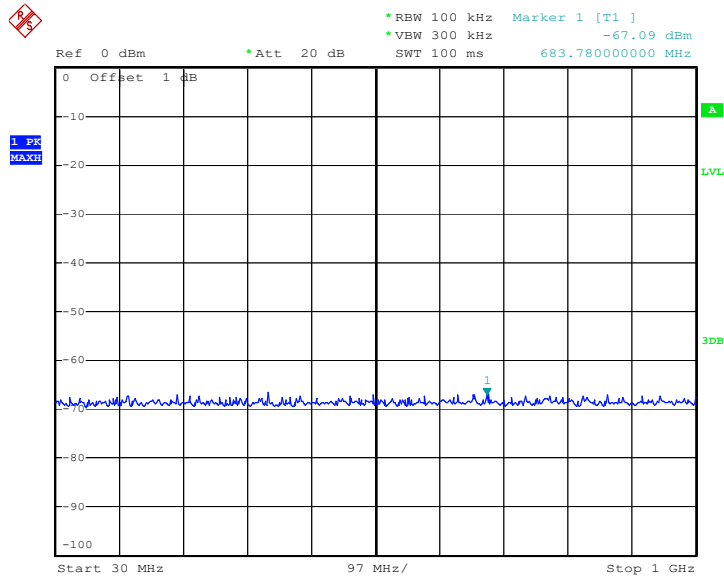
### TX 802.11b Channel Low 2412MHz



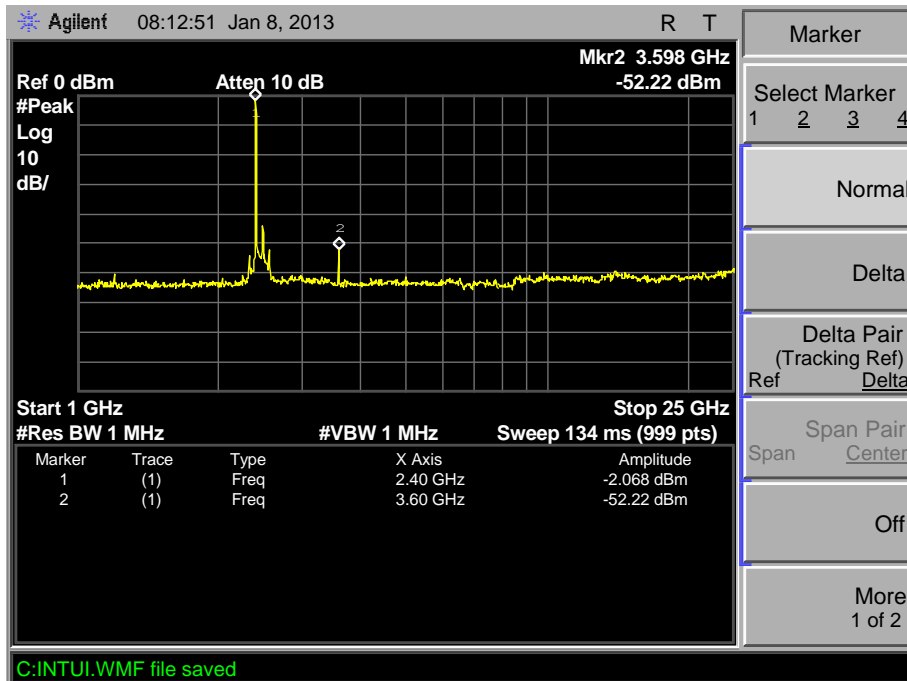
Date: 7.JAN.2013 17:28:38



### TX 802.11b Channel Middle 2437MHz

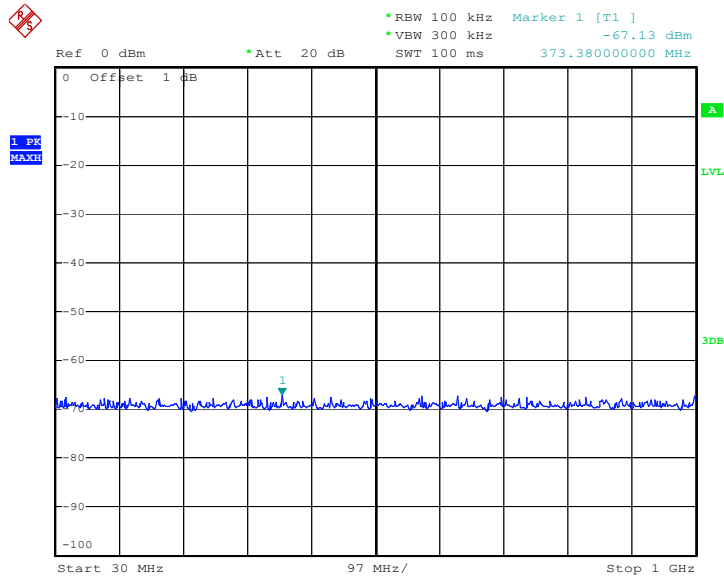


Date: 7.JAN.2013 17:25:42

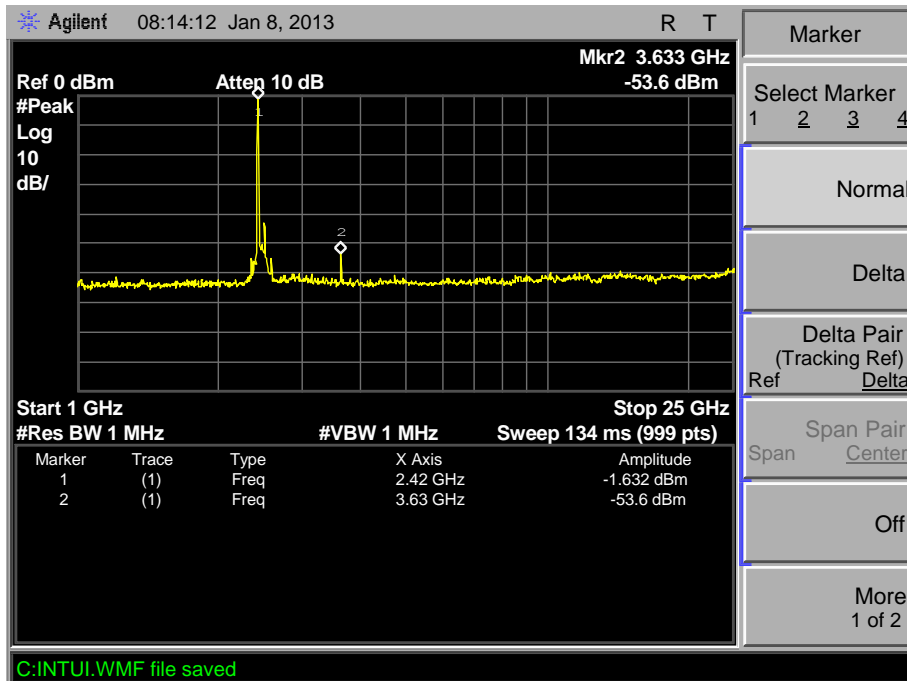




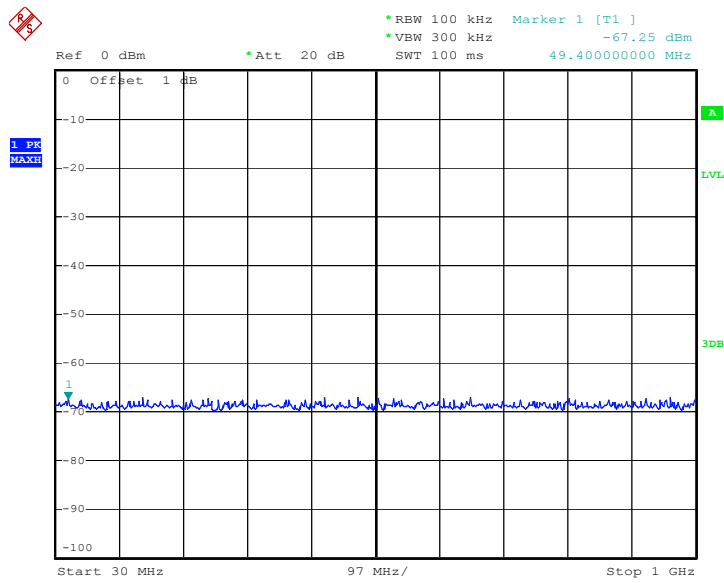
### TX 802.11b Channel High 2462MHz



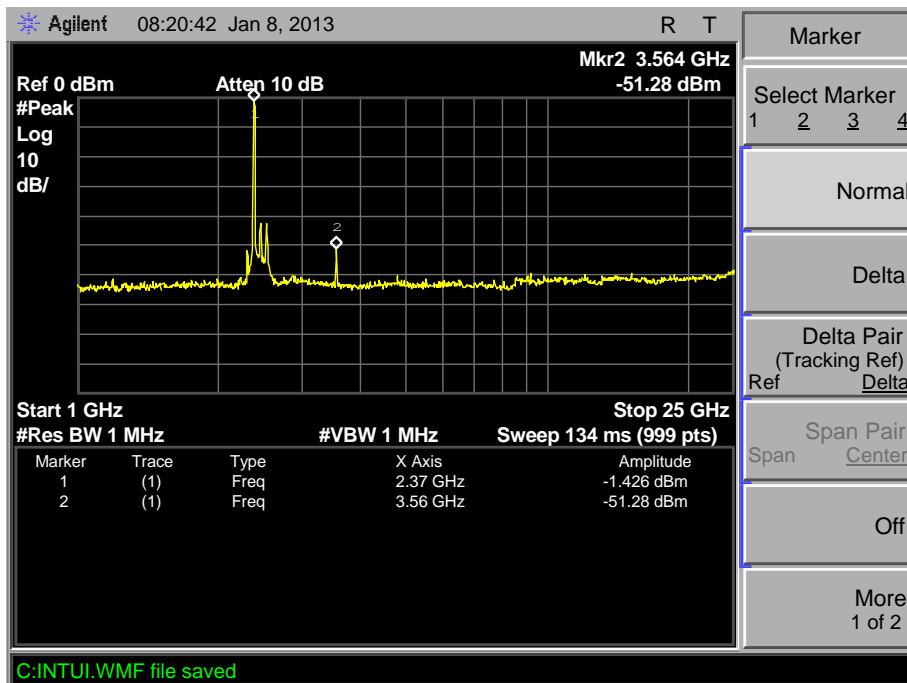
Date: 7.JAN.2013 17:26:55



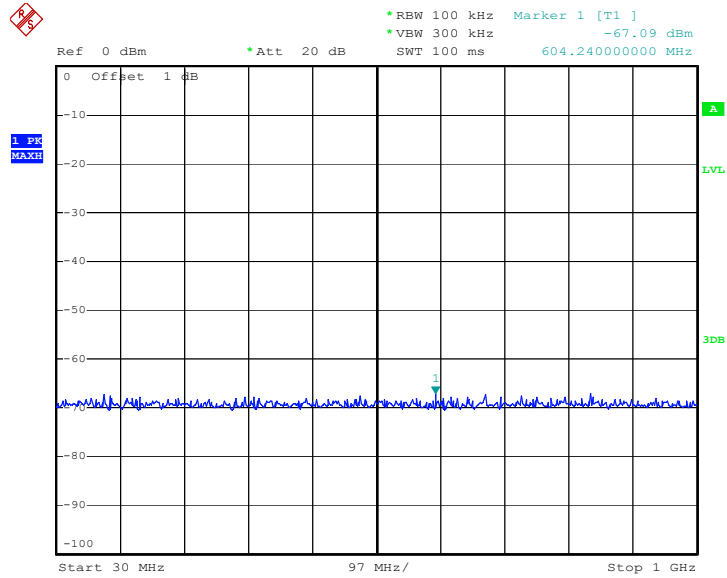
### TX 802.11g Channel Low 2412MHz



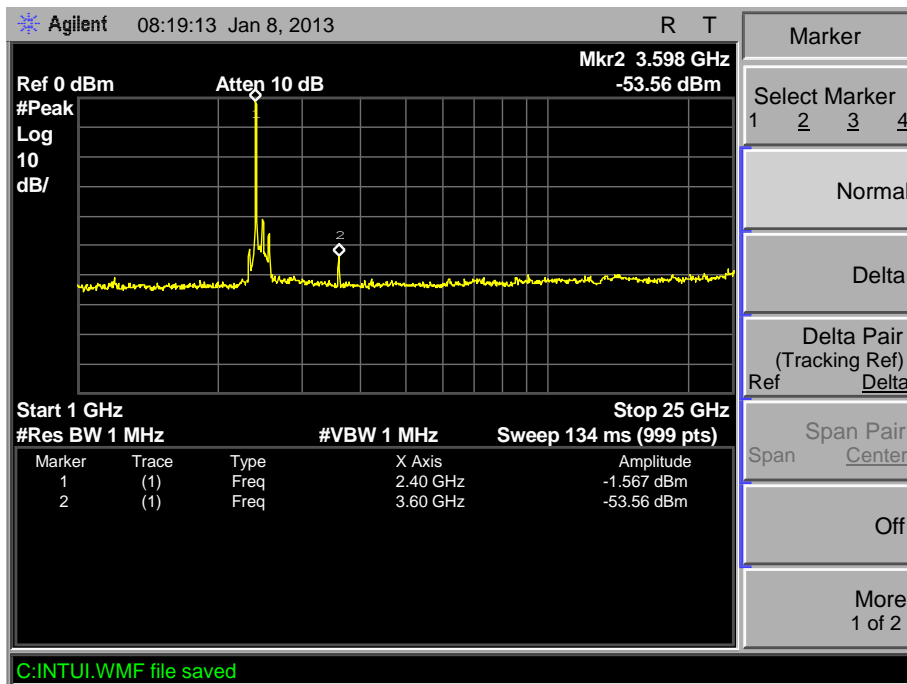
Date: 7.JAN.2013 17:30:17



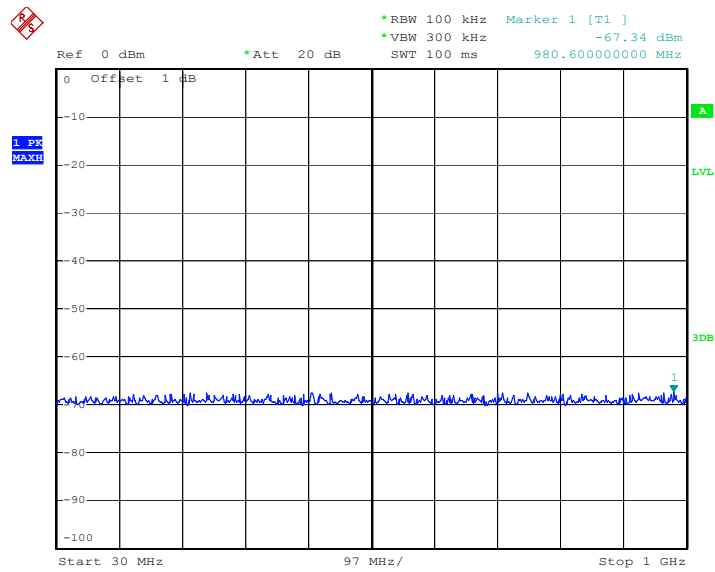
### TX 802.11g Channel Middle 2437MHz



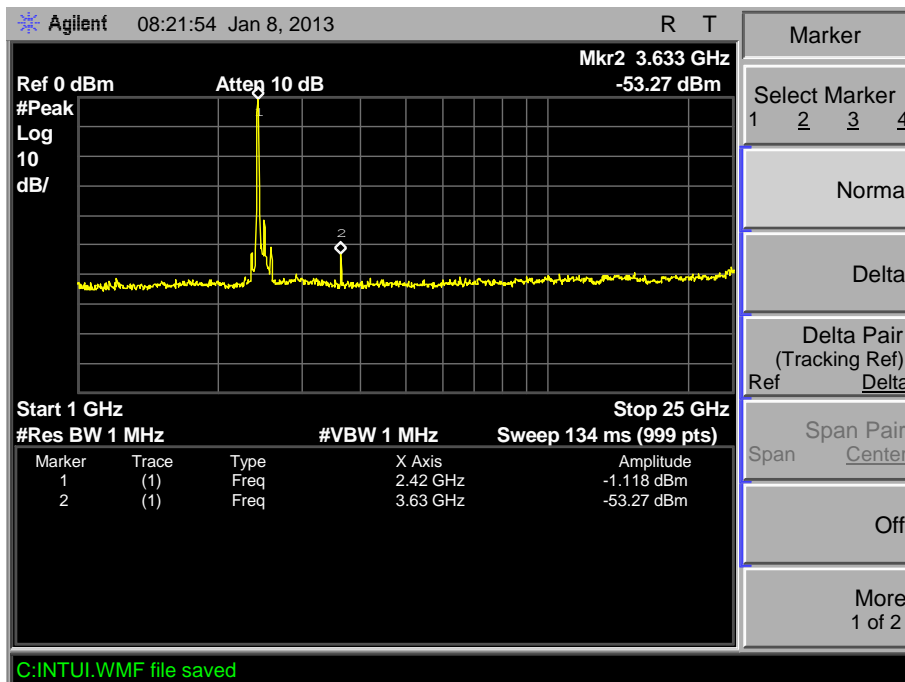
Date: 7.JAN.2013 17:29:03



### TX 802.11g Channel High 2462MHz

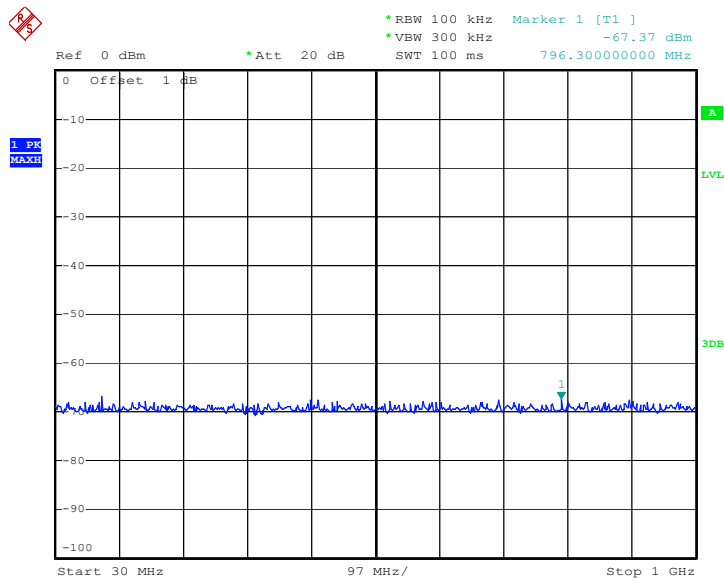


Date: 7.JAN.2013 17:27:56

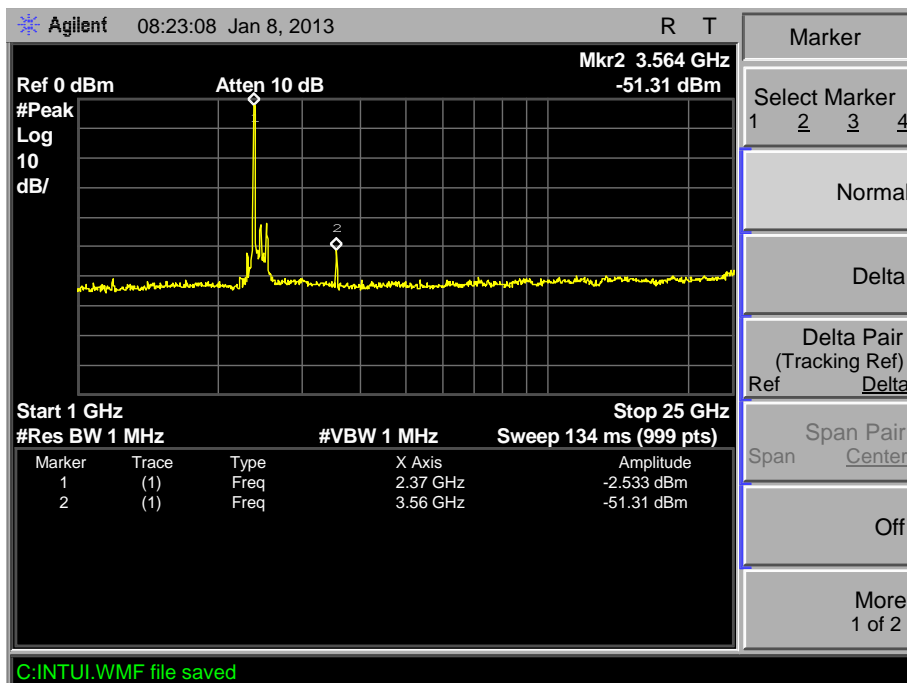




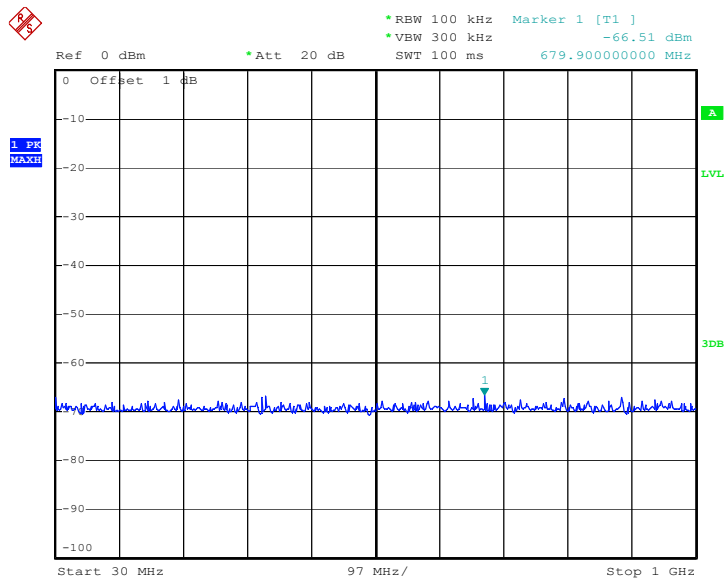
### TX 802.11n Channel Low 2412MHz (20MHz)



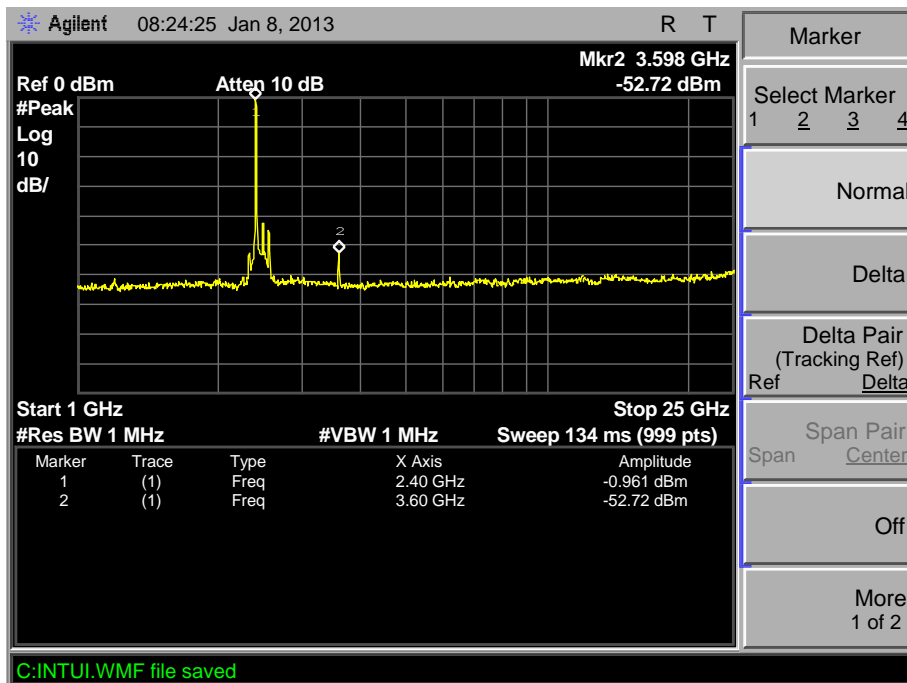
Date: 7.JAN.2013 17:31:35



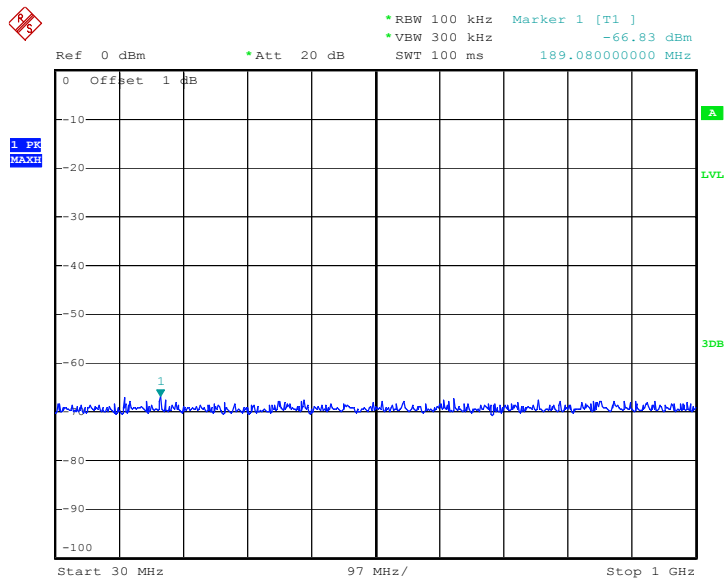
### TX 802.11n Channel Middle 2437MHz (20MHz)



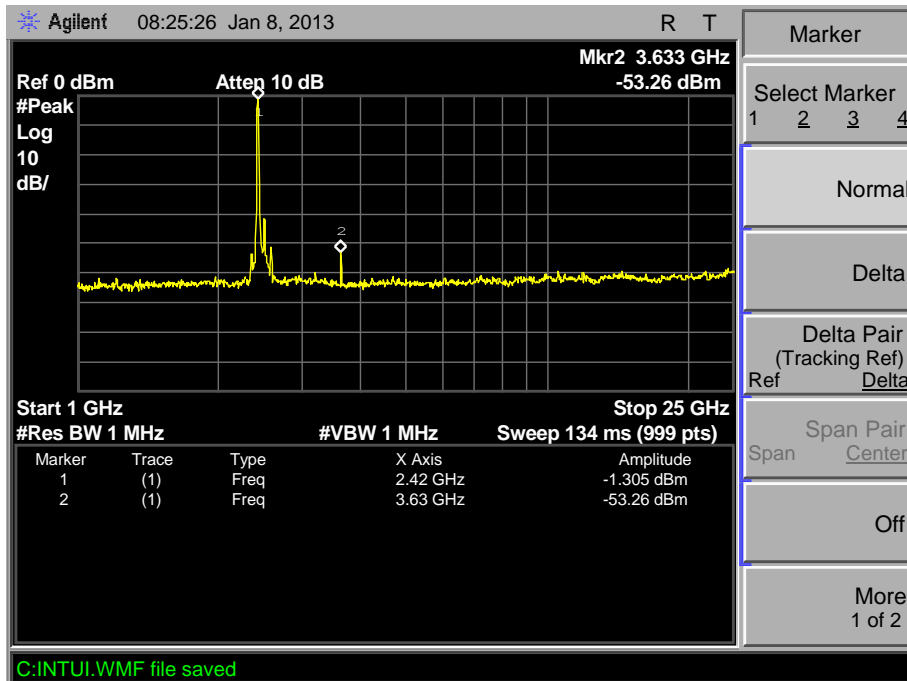
Date: 7.JAN.2013 17:31:08



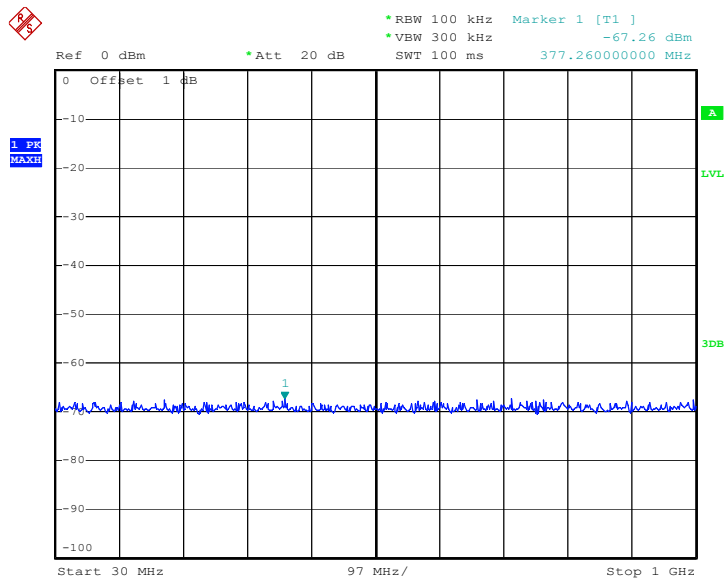
### TX 802.11n Channel High 2462MHz (20MHz)



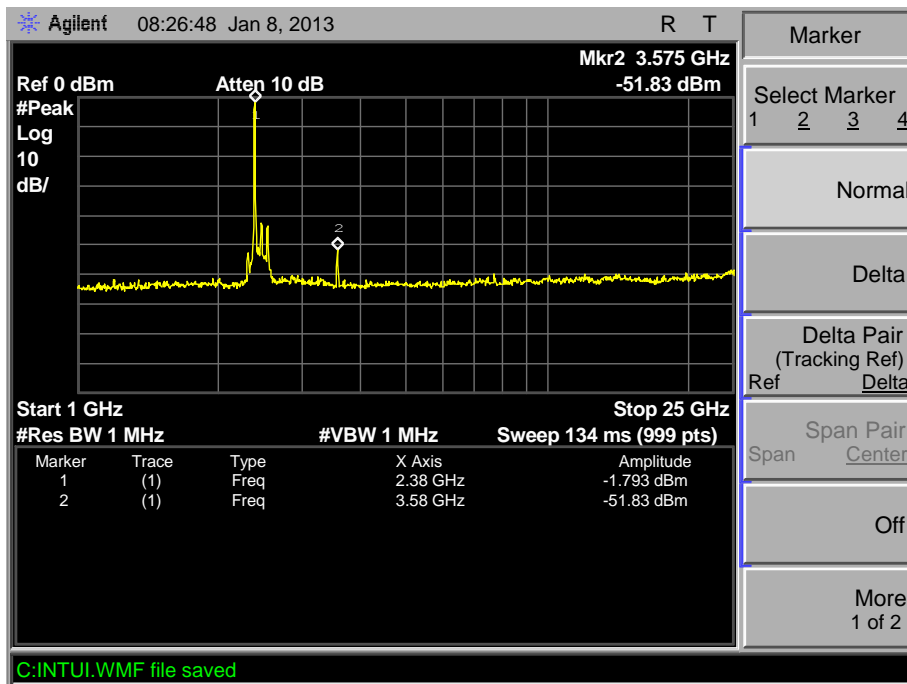
Date: 7.JAN.2013 17:30:41



### TX 802.11n Channel Low 2422MHz (40MHz)

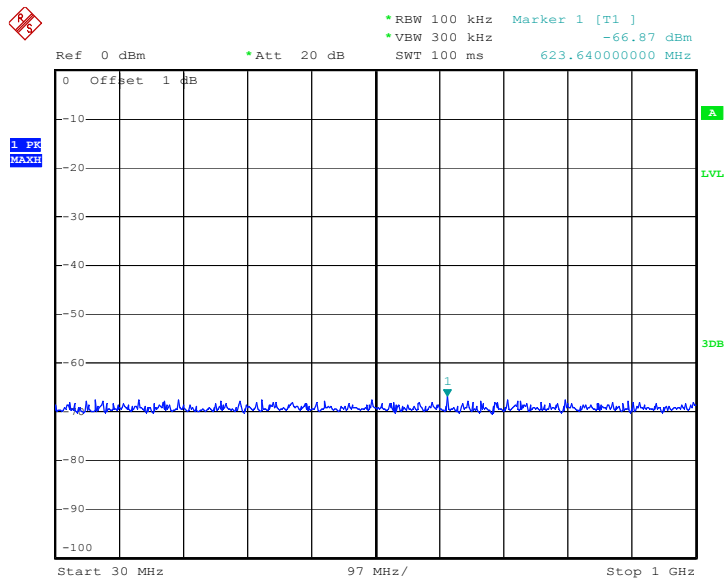


Date: 7.JAN.2013 17:33:00

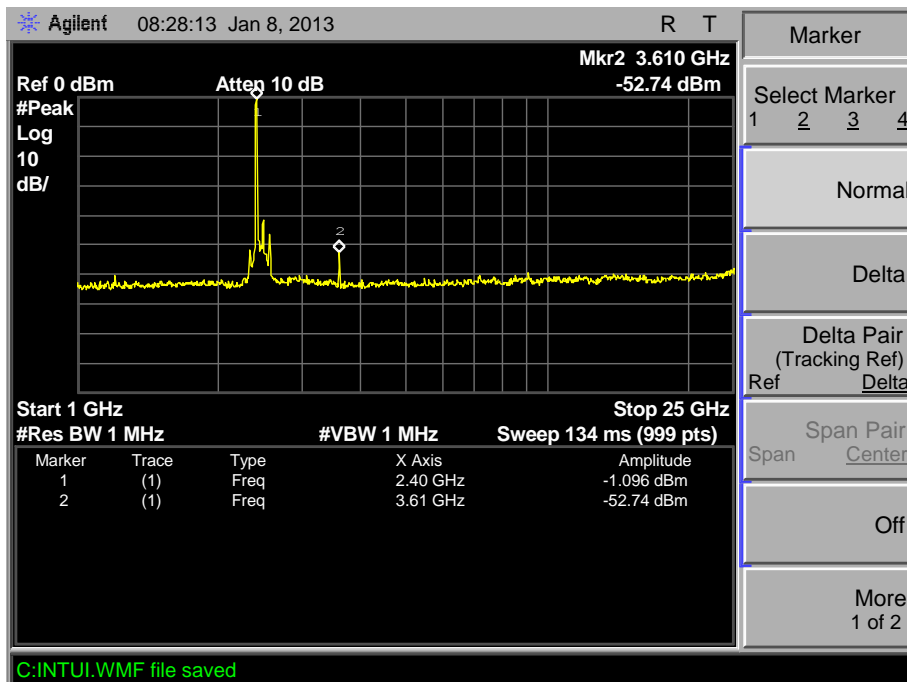




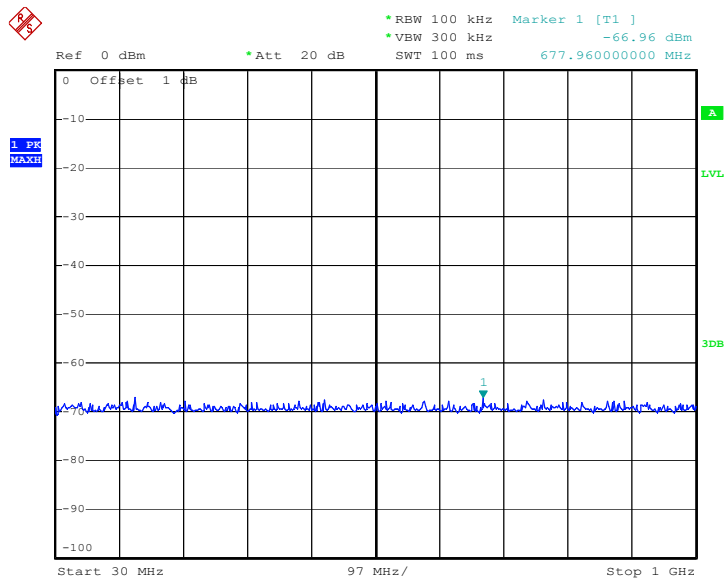
### TX 802.11n Channel Middle 2437MHz (40MHz)



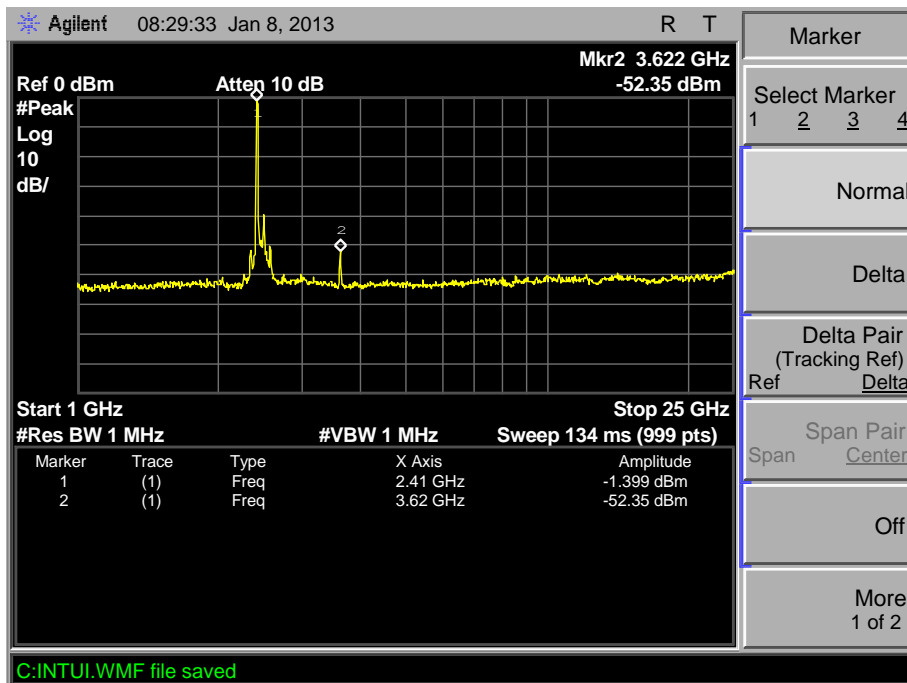
Date: 7.JAN.2013 17:32:31



### TX 802.11n Channel High 2452MHz (40MHz)



Date: 7.JAN.2013 17:31:59

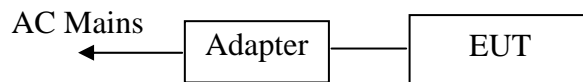


# 11.AC POWER LINE CONDUCTED EMISSION FOR FCC PART

## 15 SECTION 15.207(A)

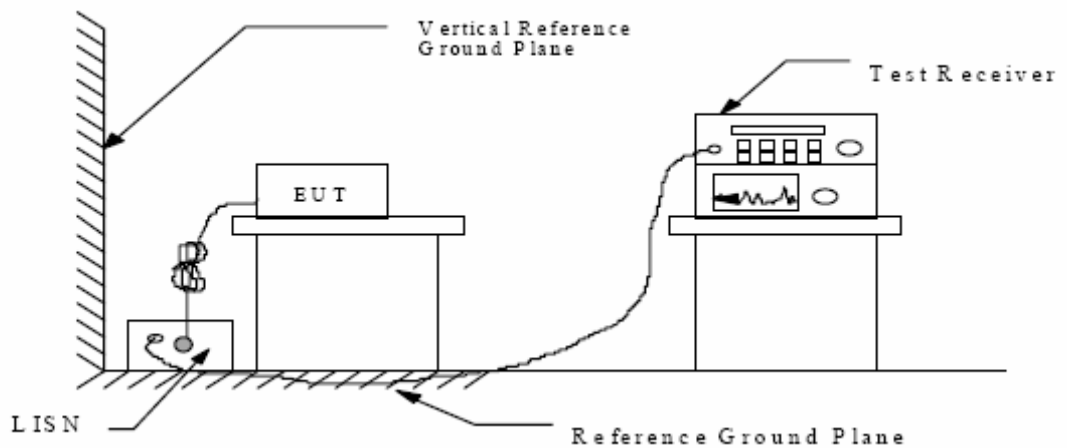
### 11.1.Block Diagram of Test Setup

11.1.1.Block diagram of connection between the EUT and simulators



(EUT: MIRABOX)

11.1.2.Shielding Room Test Setup Diagram



(EUT: MIRABOX)

### 11.2.The Emission Limit

11.2.1.Conducted Emission Measurement Limits According to Section 15.207(a)

Frequency (MHz)	Limit dB(μV)	
	Quasi-peak Level	Average Level
0.15 - 0.50	66.0 – 56.0 *	56.0 – 46.0 *
0.50 - 5.00	56.0	46.0
5.00 - 30.00	60.0	50.0

\* Decreases with the logarithm of the frequency.

### 11.3. Configuration of EUT on Measurement

The following equipment are installed on the Conducted Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

#### 11.3.1. MIRABOX (EUT)

Model Number : 003-MBX001  
Serial Number : N/A  
Manufacturer : Globalscale Technologies INC

### 11.4. Operating Condition of EUT

11.4.1. Setup the EUT and simulator as shown as Section 11.1.

11.4.2. Turn on the power of all equipment.

11.4.3. Let the EUT work in TX (Charging) mode measure it.

### 11.5. Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.4: 2003 on Conducted Emission Measurement.

The bandwidth of test receiver (R & S ESCS30) is set at 9 kHz.

The frequency range from 150 kHz to 30MHz is checked.



## 11.6. Power Line Conducted Emission Measurement Results

**PASS.**

The frequency range from 150 kHz to 30MHz is checked.

Date of Test:	<u>Jan 8, 2013</u>	Temperature:	<u>25°C</u>
EUT:	<u>MIRABOX</u>	Humidity:	<u>50%</u>
Model No.:	<u>003-MBX001</u>	Power Supply:	<u>AC 120V/60Hz</u>
Test Mode:	<u>operation</u>	Test Engineer:	<u>Allen</u>

Frequency (MHz)	Result (dB $\mu$ V)	Limit (dB $\mu$ V)	Margin (dB)	Detector	Line
0.175970	44.50	65	20.2	QP	Neutral
0.633814	38.20	56	17.8	QP	
1.121715	31.80	56	24.2	QP	
0.235505	34.60	52	17.7	AV	
0.633814	26.90	46	19.1	AV	
2.141628	22.70	46	23.3	AV	
0.171806	42.30	65	22.6	QP	Live
0.626268	38.30	56	17.7	QP	
1.386019	33.60	56	22.4	QP	
0.175970	33.10	55	21.6	AV	
0.628773	25.50	46	20.5	AV	
2.237767	23.50	46	22.5	AV	

Emissions attenuated more than 20 dB below the permissible value are not reported.  
The spectral diagrams are attached as below.

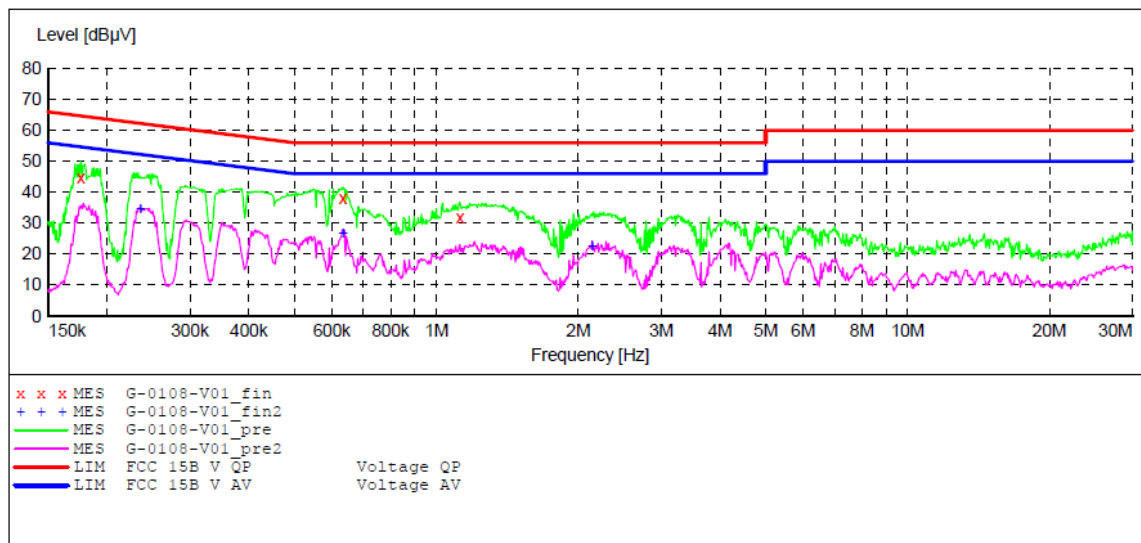
**ACCURATE TECHNOLOGY CO., LTD**

**CONDUCTED EMISSION STANDARD FCC PART 15 B**

EUT: MIRABOX M/N:003-MBX001  
 Manufacturer: Globalscale  
 Operating Condition: Operation  
 Test Site: 1#Shielding Room  
 Operator: Alen  
 Test Specification: N 120V/60Hz  
 Comment: Mains port  
 Start of Test: 1/8/2013 / 9:24:29AM

**SCAN TABLE: "V 150K-30MHz fin"**

Short Description: SUB STD VTERM2 1.70  
 Start Stop Step Detector Meas. IF Transducer  
 Frequency Frequency Width Time Bandw.  
 150.0 kHz 30.0 MHz 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008  
 Average



**MEASUREMENT RESULT: "G-0108-V01\_fin"**

1/8/2013 9:26AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.175970	44.50	11.2	65	20.2	QP	N	GND
0.633814	38.20	11.3	56	17.8	QP	N	GND
1.121715	31.80	11.3	56	24.2	QP	N	GND

**MEASUREMENT RESULT: "G-0108-V01\_fin2"**

1/8/2013 9:26AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.235505	34.60	11.2	52	17.7	AV	N	GND
0.633814	26.90	11.3	46	19.1	AV	N	GND
2.141628	22.70	11.3	46	23.3	AV	N	GND

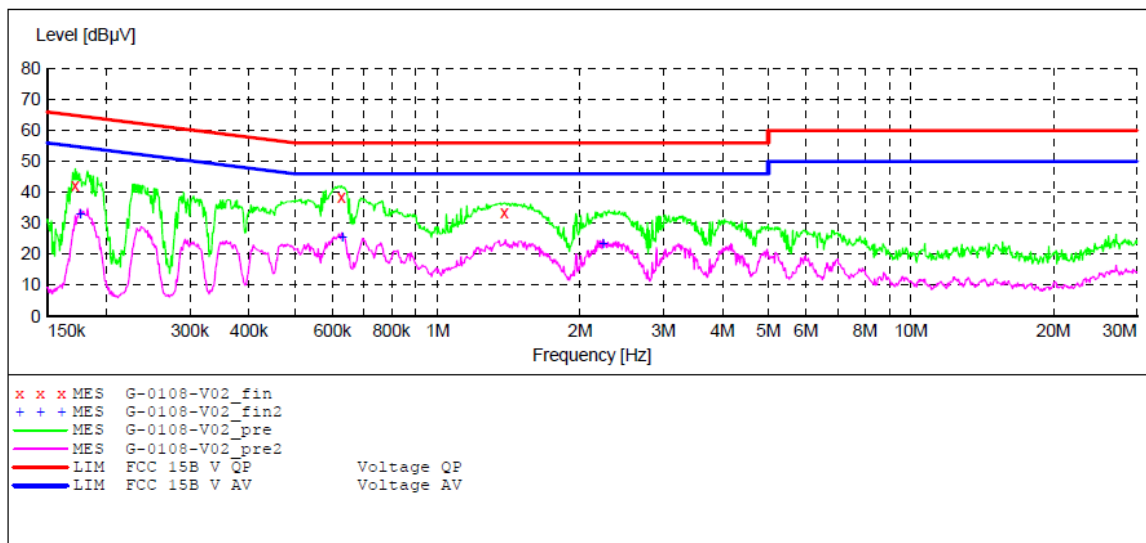
**ACCURATE TECHNOLOGY CO., LTD**

**CONDUCTED EMISSION STANDARD FCC PART 15 B**

EUT: MIRABOX M/N:003-MBX001  
 Manufacturer: Globalscale  
 Operating Condition: Operation  
 Test Site: 1#Shielding Room  
 Operator: Alen  
 Test Specification: L 120V/60Hz  
 Comment: Mains port  
 Start of Test: 1/8/2013 / 9:28:04AM

**SCAN TABLE: "V 150K-30MHz fin"**

Short Description: SUB STD VTERM2 1.70  
 Start Stop Step Detector Meas. IF Transducer  
 Frequency Frequency Width Time Bandw.  
 150.0 kHz 30.0 MHz 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008  
 Average



**MEASUREMENT RESULT: "G-0108-V02\_fin"**

1/8/2013 9:30AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.171806	42.30	11.2	65	22.6	QP	L1	GND
0.626268	38.30	11.3	56	17.7	QP	L1	GND
1.386019	33.60	11.3	56	22.4	QP	L1	GND

**MEASUREMENT RESULT: "G-0108-V02\_fin2"**

1/8/2013 9:30AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.175970	33.10	11.2	55	21.6	AV	L1	GND
0.628773	25.50	11.3	46	20.5	AV	L1	GND
2.237767	23.50	11.3	46	22.5	AV	L1	GND

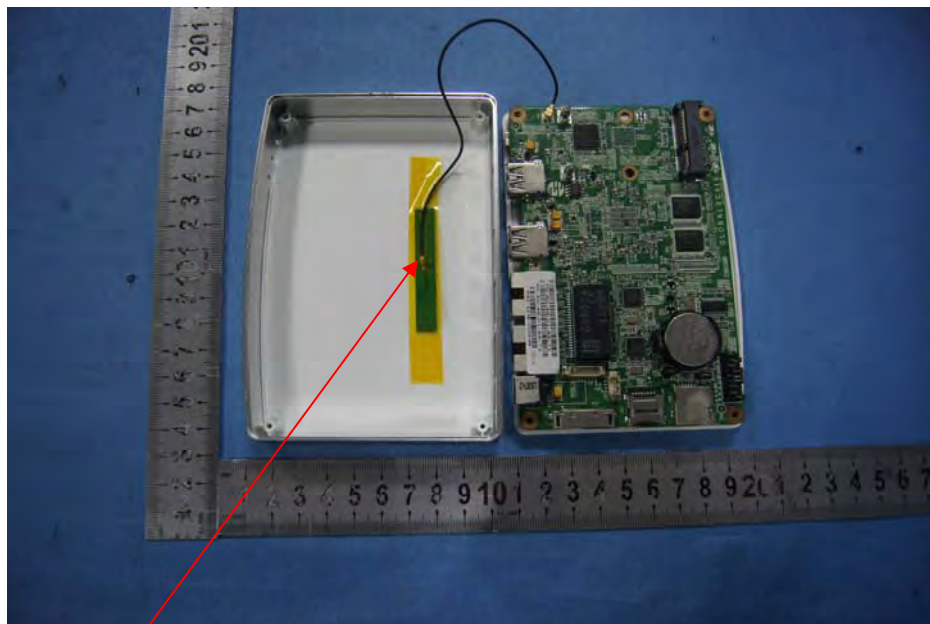
## 12. ANTENNA REQUIREMENT

### 12.1. The Requirement

According to Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

### 12.2. Antenna Construction

Device is equipped with unique antenna, which isn't displaced by other antenna. Therefore, the equipment complies with the antenna requirement of Section 15.203.



Antenna